CONTROL DATA 0 0 0 0 0 10 0 0

RUN MODE : EXECUTION

ANALYSIS : LINEAR (ELASTIC)

GEOMETRY CHANGE BY DISPLACEMENT : NO

NORMAL STRESS ANALYSIS RUN.

CREEP : NO

NON-LINEAR ITERATION LIMIT : 10 TIMES.

NON-LINEAR ITERATION METHOD : NEWTON-RAPHSON'S METHOD.

RESIDUAL LOAD CORRECTION : NO

NONLIST DATA 0 0 0 0 1 0 1 0 0

INPUT IMAGE LIST : YES INPUT DATA ECHO LIST : YES

LOADING VECTOR : YES SUPPORT REACTION : YES

DISPLACEMENT(INCREMENT) : NO DISPLACEMENT(INC.+TOTAL) : YES

STRESS (INCREMENT) : NO STRESS (TOTAL) : YES

NONLINEAR MATERIAL LIST : YES

ACCURACY DATA EPSR = 1.000E-03 EPSD= 1.000E-03

LOAD SCALE DATA FACTOR = ALPHA*BETA(I)
ALPHA = 1.000
BETA = 1.000

CREEP TIME = 0.00 (DAY)

GRID POINT LOAD

GRID	PX	PY	MZ
242	0.0000	-1.8172	0.0000
243	0.0000	-3.6343	0.0000
244	0.0000	-3.6343	0.0000
245	0.0000	-3.6343	0.0000
246	0.0000	-3.6343	0.0000
247	0.0000	-3.6343	0.0000
248	0.0000	-3.6343	0.0000
249	0.0000	-3.6343	0.0000
250	0.0000	-1.8172	0.0000
251	0.0000	-3.9850	0.0000

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 33

GRID POINT LOAD SUB STEP 0

GRID	PX	PY	MZ
252	0.0000	-3.9850	0.0000
253	0.0000	-3.9850	0.0000
254	0.0000	-3.9850	0.0000
255	0.0000	-3.9850	0.0000
256	0.0000	-3.9850	0.0000
257	0.0000	-3.9850	0.0000
258	0.0000	-1.9925	0.0000
259	0.0000	-4.5543	0.0000
260	0.0000	-4.5543	0.0000
261	0.0000	-4.5543	0.0000
262	0.0000	-4.5543	0.0000
263	0.0000	-4.5543	0.0000
264	0.0000	-4.5543	0.0000
265	0.0000	-4.5543	0.0000
266	0.0000	-2.2772	0.0000
267	0.0000	-4.9414	0.0000
268	0.0000	-4.9414	0.0000
269	0.0000	-4.9414	0.0000
270	0.0000	-5.7726	0.0000
271	0.0000	-6.6037	0.0000
272	0.0000	-9.3553	0.0000
273	0.0000	-6.0534	0.0000
282	0.0000	-3.6148	0.0000
283	0.0000	-7.2300	0.0000
284	0.0000	-7.2304	0.0000
285	0.0000	-7.2304	0.0000
286	0.0000	-7.2304	0.0000
287	0.0000	-7.2304	0.0000
288	0.0000	-7.2304	0.0000
289	0.0000	-7.2304	0.0000
290	0.0000	-3.6152	0.0000
291	0.0000	-7.9680	0.0000
292	0.0000	-7.9680	0.0000
293	0.0000	-7.9680	0.0000
294	0.0000	-7.9680	0.0000
295	0.0000	-7.9680	0.0000
296	0.0000	-7.9680	0.0000
297	0.0000	-7.9680	0.0000
298	0.0000	-3.9840	0.0000
299	0.0000	-9.1062	0.0000
300	0.0000	-9.1062	0.0000
301	0.0000	-9.1062	0.0000
302	0.0000	-9.1062	0.0000
303	0.0000	-9.1062	0.0000
304	0.0000	-9.1062	0.0000
305	0.0000	-9.1062	0.0000
306	0.0000	-4.5531	0.0000
307	0.0000	-9.8803	0.0000
308	0.0000	-9.8803	0.0000
309	0.0000	-9.8803	0.0000
310	0.0000	-11.5422	0.0000
311	0.0000	-13.2041	0.0000

JOINT ANALYSIS

PAGE 34

STEP 1 CASE-3

SUB STEP 0

GRID POINT LOAD

GRID	PX	PY	MZ
312	0.0000	-16.5054	0.0000
313	0.0000	-9.9033	0.0000
314	0.0000	-3.5854	0.0000
315	0.0000	-7.1724	0.0000
316	0.0000	-7.1735	0.0000
317	0.0000	-7.1735	0.0000
318	0.0000	-7.1739	0.0000
319	0.0000	-7.1739	0.0000
320	0.0000	-7.1739	0.0000
321	0.0000	-7.1739	0.0000
322	0.0000	-3.5869	0.0000
323	0.0000	-7.9659	0.0000
324	0.0000	-7.9659	0.0000
325	0.0000	-7.9659	0.0000
326	0.0000	-7.9659	0.0000
327	0.0000	-7.9659	0.0000
328	0.0000	-7.9659	0.0000
329	0.0000	-7.9659	0.0000
330	0.0000	-3.9830	0.0000
331	0.0000	-9.1039	0.0000
332	0.0000	-9.1039	0.0000
333	0.0000	-9.1039	0.0000
334	0.0000	-9.1039	0.0000
335	0.0000	-9.1039	0.0000
336	0.0000	-9.1039	0.0000
337	0.0000	-9.1039	0.0000
338	0.0000	-4.5519	0.0000
339	0.0000	-9.8777	0.0000
340	0.0000	-9.8777	0.0000
341	0.0000	-9.8777	0.0000
342	0.0000	-11.5392	0.0000
343	0.0000	-13.2007	0.0000
344	0.0000	-13.2007	0.0000
345	0.0000	-6.6003	0.0000
346	0.0000	-3.5602	0.0000
347	0.0000	-7.1207	0.0000
348	0.0000	-7.1196	0.0000
349	0.0000	-7.1192	0.0000
350	0.0000	-7.1207	0.0000
351	0.0000	-7.1211	0.0000
352	0.0000	-7.1211	0.0000
353	0.0000	-7.1211	0.0000
354	0.0000	-3.5605	0.0000
355	0.0000	-7.9680	0.0000
356	0.0000	-7.9680	0.0000
357	0.0000	-7.9680	0.0000
358	0.0000	-7.9680	0.0000
359	0.0000	-7.9680	0.0000
360	0.0000	-7.9680	0.0000
361	0.0000	-7.9680	0.0000
362	0.0000	-3.9840	0.0000
363	0.0000	-9.1062	0.0000

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 35

GRID POINT LOAD SUB STEP 0

GRID	PX	PY	MZ
364	0.0000	-9.1062	0.0000
365	0.0000	-9.1062	0.0000
366	0.0000	-9.1062	0.0000
367	0.0000	-9.1062	0.0000
368	0.0000	-9.1062	0.0000
369	0.0000	-9.1062	0.0000
370	0.0000	-4.5531	0.0000
371	0.0000	-9.8803	0.0000
372	0.0000	-9.8803	0.0000
373	0.0000	-9.8803	0.0000
374	0.0000	-11.5422	0.0000
375	0.0000	-13.2041	0.0000
376	0.0000	-9.9028	0.0000
377	0.0000	-3.3007	0.0000
378	0.0000	-6.4462	0.0000
379	0.0000	-10.5733	0.0000
380	0.0000	-8.2538	0.0000
381	0.0000	-10.5706	0.0000
382	0.0000	-12.8893	0.0000
383	0.0000	-10.5725	0.0000
384	0.0000	-8.2542	0.0000
385	0.0000	-10.5733	0.0000
386	0.0000	-6.4462	0.0000
387	0.0000	-11.9530	0.0000
388	0.0000	-9.2970	0.0000
389	0.0000	-11.9530	0.0000
390	0.0000	-14.6090	0.0000
391	0.0000	-11.9530	0.0000
392	0.0000	-9.2970	0.0000
393	0.0000	-11.9530	0.0000
394	0.0000	-7.3045	0.0000
395	0.0000	-13.6606	0.0000
396	0.0000	-10.6251	0.0000
397	0.0000	-13.6606	0.0000
398	0.0000	-16.6960	0.0000
399	0.0000	-13.6606	0.0000
400	0.0000	-10.6251	0.0000
401	0.0000	-13.6606	0.0000
402	0.0000	-8.3480	0.0000
403	0.0000	-14.8217	0.0000
404	0.0000	-11.5283	0.0000
405	0.0000	-14.8217	0.0000
406	0.0000	-18.9615	0.0000
407	0.0000	-17.6071	0.0000
408	0.0000	-8.8038	0.0000
409	0.0000	-12.7358	0.0000
410	0.0000	-30.1827	0.0000
411	0.0000	-25.4687	0.0000
412	0.0000	-30.1804	0.0000
413	0.0000	-12.7366	0.0000
414	0.0000	-34.5279	0.0000
415	0.0000	-29.2159	0.0000

STEP 1 CASE-3 SUB STEP 0

GRID POINT LOAD

GRID	PX	PY	MZ
416	0.0000	-34.5279	0.0000
417	0.0000	-14.6079	0.0000
418	0.0000	-39.4604	0.0000
419	0.0000	-33.3896	0.0000
420	0.0000	-39.4604	0.0000
421	0.0000	-16.6948	0.0000
422	0.0000	-42.8146	0.0000
423	0.0000	-29.1172	0.0000
424	0.0000	-15.4047	0.0000
425	0.0000	-13.9109	0.0000
426	0.0000	-27.8240	0.0000
427	0.0000	-27.8225	0.0000
428	0.0000	-27.8233	0.0000
429	0.0000	-13.9140	0.0000
430	0.0000	-32.3859	0.0000
431	0.0000	-32.3859	0.0000
432	0.0000	-32.3859	0.0000
433	0.0000	-16.1930	0.0000
434	0.0000	-37.0125	0.0000
435	0.0000	-37.0125	0.0000
436	0.0000	-37.0125	0.0000
437	0.0000	-18.5062	0.0000
438	0.0000	-37.8164	0.0000
439	0.0000	-22.2544	0.0000
440	0.0000	-10.4555	0.0000
441	0.0000	-20.9091	0.0000
442	0.0000	-20.9068	0.0000
443	0.0000	-20.9091	0.0000
444	0.0000	-10.4559	0.0000
445	0.0000	-24.6750	0.0000
446	0.0000	-24.6750	0.0000
447	0.0000	-24.6750	0.0000
448	0.0000	-12.3375	0.0000
449	0.0000	-28.2000	0.0000
450	0.0000	-28.2000	0.0000
451	0.0000	-28.2000	0.0000
452	0.0000	-14.1000	0.0000
453	0.0000	-21.8127	0.0000
454	0.0000	-6.9200	0.0000
455	0.0000	-7.7482	0.0000
456	0.0000	-15.4943	0.0000
457	0.0000	-15.4939	0.0000
458	0.0000	-15.4943	0.0000
459	0.0000	-7.7465	0.0000
460	0.0000	-18.5062	0.0000
461	0.0000	-18.5062	0.0000
462	0.0000	-18.5062	0.0000
463	0.0000	-9.2531	0.0000
464	0.0000	-21.1500	0.0000
465	0.0000	-21.1500	0.0000
466	0.0000	-21.1500	0.0000
467	0.0000	-12.8467	0.0000

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 37

GRID POINT LOAD SUB STEP 0

GRID	PX	PY	MZ
468	0.0000	-10.2037	0.0000
469	0.0000	-9.5787	0.0000
470	0.0000	-19.1569	0.0000
471	0.0000	-19.1569	0.0000
472	0.0000	-19.1569	0.0000
473	0.0000	-9.5782	0.0000
474	0.0000	-23.1328	0.0000
475	0.0000	-23.1328	0.0000
476	0.0000	-23.1328	0.0000
477	0.0000	-11.5664	0.0000
478	0.0000	-26.4375	0.0000
479	0.0000	-27.3206	0.0000
480	0.0000	-26.3653	0.0000
481	0.0000	-17.3747	0.0000
482	0.0000	-5.1112	0.0000
483	0.0000	-10.5089	0.0000
484	0.0000	-21.0178	0.0000
485	0.0000	-21.0172	0.0000
486	0.0000	-21.0172	0.0000
487	0.0000	-10.5089	0.0000
488	0.0000	-25.7031	0.0000
489	0.0000	-25.7031	0.0000
490	0.0000	-25.7031	0.0000
491	0.0000	-12.8516	0.0000
492	0.0000	-29.3750	0.0000
493	0.0000	-33.7904	0.0000
494	0.0000	-27.5213	0.0000
495	0.0000	-11.2580	0.0000
496	0.0000	-10.3651	0.0000
497	0.0000	-20.7308	0.0000
498	0.0000	-20.7290	0.0000
499	0.0000	-20.7283	0.0000
500	0.0000	-10.3651	0.0000
501	0.0000	-25.7031	0.0000
502	0.0000	-25.7031	0.0000
503	0.0000	-25.7031	0.0000
504	0.0000	-12.8516	0.0000
505	0.0000	-29.3750	0.0000
506	0.0000	-33.1815	0.0000
507	0.0000	-21.4792	0.0000
508	0.0000	-10.2194	0.0000
509	0.0000	-20.4413	0.0000
510	0.0000	-20.4438	0.0000
511	0.0000	-20.4413	0.0000
512	0.0000	-10.2194	0.0000
513	0.0000	-25.7031	0.0000
514	0.0000	-25.7031	0.0000
515	0.0000	-25.7031	0.0000
516	0.0000	-12.8516	0.0000
517	0.0000	-31.2213	0.0000
518	0.0000	-25.1707	0.0000
519	0.0000	-10.6870	0.0000

GRID POINT LOAD

GRID	PX	PY	MZ
520	0.0000	-8.8363	0.0000
521	0.0000	-17.6737	0.0000
522	0.0000	-17.6769	0.0000
523	0.0000	-17.6763	0.0000
524	0.0000	-8.8368	0.0000
525	0.0000	-22.5159	0.0000
526	0.0000	-22.5159	0.0000
527	0.0000	-22.5159	0.0000
528	0.0000	-13.5130	0.0000
529	0.0000	-14.0829	0.0000
530	0.0000	-17.5366	0.0000
531	0.0000	-14.8334	0.0000
532	0.0000	-7.4950	0.0000
533	0.0000	-14.9913	0.0000
534	0.0000	-14.9936	0.0000
535	0.0000	-14.9936	0.0000
536	0.0000	-7.4963	0.0000
537	0.0000	-19.3287	0.0000
538	0.0000	-19.3287	0.0000
539	0.0000	-19.3287	0.0000
540	0.0000	-15.3019	0.0000
541	0.0000	-7.8926	0.0000
542	0.0000	-10.7012	0.0000
543	0.0000	-5.0637	0.0000
544	0.0000	-8.7358	0.0000
545	0.0000	-17.4699	0.0000
546	0.0000	-17.4704	0.0000
547	0.0000	-17.4704	0.0000
548	0.0000	-8.7341	0.0000
549	0.0000	-22.8003	0.0000
550	0.0000	-22.8003	0.0000
551	0.0000	-22.7997	0.0000
552	0.0000	-19.3797	0.0000
553	0.0000	-13.2998	0.0000
554	0.0000	-7.0080	0.0000
555	0.0000	-9.9272	0.0000
556	0.0000	-19.8537	0.0000
557	0.0000	-19.8544	0.0000
558	0.0000	-19.8544	0.0000
559	0.0000	-9.9266	0.0000
560	0.0000	-26.2732	0.0000
561	0.0000	-26.2732	0.0000
562	0.0000	-26.2706	0.0000
563	0.0000	-20.7976	0.0000
564	0.0000	-10.7272	0.0000
565	0.0000	-8.2777	0.0000
566	0.0000	-16.5550	0.0000
567	0.0000	-16.5571	0.0000
568	0.0000	-16.5576	0.0000
569	0.0000	-8.2777	0.0000
570	0.0000	-22.2081	0.0000
571	0.0000	-22.2081	0.0000

GRID	PX	PY	MZ
572	0.0000	-21.4765	0.0000
573	0.0000	-13.4377	0.0000
574	0.0000	-6.6819	0.0000
575	0.0000	-13.3620	0.0000
576	0.0000	-13.3624	0.0000
577	0.0000	-13.3642	0.0000
578	0.0000	-6.6819	0.0000
579	0.0000	-18.1444	0.0000
580	0.0000	-18.1945	0.0000
581	0.0000	-13.7586	0.0000
582	0.0000	-4.6363	0.0000
583	0.0000	-7.0476	0.0000
584	0.0000	-14.0947	0.0000
585	0.0000	-14.0947	0.0000
586	0.0000	-14.0952	0.0000
587	0.0000	-7.0476	0.0000
588	0.0000	-19.3534	0.0000
589	0.0000	-18.6850	0.0000
590	0.0000	-10.5704	0.0000
591	0.0000	-7.4025	0.0000
592	0.0000	-14.8050	0.0000
593	0.0000	-14.8050	0.0000
594	0.0000	-14.8050	0.0000
595	0.0000	-7.4025	0.0000
596	0.0000	-20.4553	0.0000
597	0.0000	-15.2696	0.0000
598	0.0000	-5.0956	0.0000
599	0.0000	-6.0366	0.0000
600	0.0000	-11.9028	0.0000
601	0.0000	-11.7324	0.0000
602	0.0000	-12.1454	0.0000
603	0.0000	-6.2792	0.0000
604	0.0000	-15.2914	0.0000
605	0.0000	-9.1421	0.0000
606	0.0000	-7.5220	0.0000
607	0.0000	-13.3735	0.0000
608	0.0000	-11.7030	0.0000
609	0.0000	-14.5936	0.0000
610	0.0000	-11.0373	0.0000
611	0.0000	-8.6095	0.0000
612	0.0000	-4.3008	0.0000
613	0.0000	-9.2021	0.0000
614	0.0000	-15.0536	0.0000
615	0.0000	-11.7030	0.0000
616	0.0000	-15.0055	0.0000
617	0.0000	-13.1856	0.0000
618	0.0000	-6.1171	0.0000
619	0.0000	-12.4115	0.0000
620	0.0000	-19.1772	0.0000
621	0.0000	-13.5316	0.0000
622	0.0000	-16.9576	0.0000
623	0.0000	-13.0957	0.0000

GRID	PX	PY	MZ
624	0.0000	-2.9040	0.0000
625	0.0000	-17.0045	0.0000
626	0.0000	-26.1474	0.0000
627	0.0000	-18.2859	0.0000
628	0.0000	-20.7253	0.0000
629	0.0000	-13.0792	0.0000
630	0.0000	-17.0045	0.0000
631	0.0000	-26.1474	0.0000
632	0.0000	-18.2859	0.0000
633	0.0000	-16.8894	0.0000
634	0.0000	-7.7464	0.0000
635	0.0000	-17.0045	0.0000
636	0.0000	-26.1474	0.0000
637	0.0000	-18.2859	0.0000
638	0.0000	-14.2732	0.0000
639	0.0000	-5.1302	0.0000
640	0.0000	-16.6644	0.0000
641	0.0000	-25.6245	0.0000
642	0.0000	-17.9202	0.0000
643	0.0000	-13.0190	0.0000
644	0.0000	-4.0588	0.0000
645	0.0000	-8.1621	0.0000
646	0.0000	-12.5508	0.0000
647	0.0000	-8.7773	0.0000
648	0.0000	-6.3080	0.0000
649	0.0000	-1.9194	0.0000
1250	0.0000	-1.9925	0.0000
1290	0.0000	-3.9840	0.0000
1322	0.0000	-3.9830	0.0000
1354	0.0000	-3.9840	0.0000
1386	0.0000	-7.3045	0.0000
1413	0.0000	-14.6079	0.0000
1429	0.0000	-16.1930	0.0000
1444	0.0000	-12.3375	0.0000
1459	0.0000	-9.2531	0.0000
1473	0.0000	-11.5664	0.0000
1487	0.0000	-12.8516	0.0000
1500	0.0000	-12.8516	0.0000
1512	0.0000	-12.8516	0.0000
1524	0.0000	-11.2580	0.0000
1536	0.0000	-9.6644	0.0000
1548	0.0000	-11.3998	0.0000
1559	0.0000	-13.1353	0.0000
1569	0.0000	-11.1037	0.0000
1578	0.0000	-9.0722	0.0000
1587	0.0000	-9.6767	0.0000
1595	0.0000	-10.2812	0.0000
1603	0.0000	-7.8120	0.0000
1610	0.0000	-4.3087	0.0000
1618	0.0000	-2.0504	0.0000
1258	0.0000	-2.2772	0.0000
1298	0.0000	-4.5531	0.0000

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 41

GRID POINT LOAD SUB STEP 0

GRID	PX	PY	MZ
1330	0.0000	-4.5519	0.0000
1362	0.0000	-4.5531	0.0000
1394	0.0000	-8.3480	0.0000
1417	0.0000	-16.6948	0.0000
1433	0.0000	-18.5062	0.0000
1448	0.0000	-14.1000	0.0000
1463	0.0000	-10.5750	0.0000
1477	0.0000	-13.2187	0.0000
1491	0.0000	-14.6875	0.0000
1504	0.0000	-14.6875	0.0000
1516	0.0000	-13.7389	0.0000
1528	0.0000	-7.7016	0.0000
1541	0.0000	-7.8926	0.0000
1554	0.0000	-2.2550	0.0000
1266	0.0000	-2.4707	0.0000
1306	0.0000	-4.9401	0.0000
1338	0.0000	-4.9389	0.0000
1370	0.0000	-4.9401	0.0000
1402	0.0000	-9.0576	0.0000
1421	0.0000	-18.1138	0.0000
1437	0.0000	-19.9633	0.0000
1452	0.0000	-14.8927	0.0000
1467	0.0000	-9.0303	0.0000
1482	0.0000	-4.1047	0.0000

LINE (DISTRIBUTED) LOAD

IAXS	SURF ID	CODE	GRID FROM	TO	WA	WB	A	B
0	1	TY	640	242	0.000	75.000	0.000	0.000
0	1	YX	242	232	-75.000	-75.000	0.000	0.000
0	1	XY	440	242	0.000	9.750	0.000	0.000
0	1	YX	440	242	0.000	-19.500	0.000	0.000
0	1	YX	242	232	-19.500	-19.500	0.000	0.000
0	2	TY	273	439	15.500	0.000	0.000	0.000
0	2	YX	281	273	-15.500	-15.500	0.000	0.000
0	2	XY	273	439	-8.525	0.000	0.000	0.000
0	2	YX	273	439	-17.050	0.000	0.000	0.000
0	2	YX	281	273	-17.050	-17.050	0.000	0.000

BODY FORCE

ELEMENT NO. FROM	TO	KX	KY
1	2000	1.0000	0.3333

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 43

LOAD VECTOR SUB STEP 1

GRID	P(X)	P(Y)	P(MZ)
232	0.0000	-2261.9520	0.0000
233	0.0000	-4071.5325	0.0000
234	0.0000	-3317.5643	0.0000
235	0.0000	-3015.9675	0.0000
236	0.0000	-1885.9838	0.0000
237	0.0000	-756.0000	0.0000
238	0.0000	-567.0000	0.0000
239	0.0000	-378.0000	0.0000
240	0.0000	-330.7500	0.0000
241	0.0000	-283.5000	0.0000
242	81.2691	-148.0129	0.0000
243	0.1706	-3.5774	0.0000
244	0.1706	-3.5774	0.0000
245	0.1706	-3.5774	0.0000
246	0.1706	-3.5774	0.0000
247	0.1706	-3.5774	0.0000
248	0.1706	-3.5774	0.0000
249	0.1706	-3.5774	0.0000
250	0.0853	-1.7888	0.0000
251	0.1871	-3.9226	0.0000
252	0.1871	-3.9226	0.0000
253	0.1871	-3.9226	0.0000
254	0.1871	-3.9226	0.0000
255	0.1871	-3.9226	0.0000
256	0.1871	-3.9226	0.0000
257	0.1871	-3.9226	0.0000
258	0.0936	-1.9613	0.0000
259	0.2138	-4.4830	0.0000
260	0.2138	-4.4830	0.0000
261	0.2138	-4.4830	0.0000
262	0.2138	-4.4830	0.0000
263	0.2138	-4.4830	0.0000
264	0.2138	-4.4830	0.0000
265	0.2138	-4.4830	0.0000
266	0.1069	-2.2416	0.0000
267	0.2320	-4.8641	0.0000
268	0.2320	-4.8641	0.0000
269	0.2320	-4.8641	0.0000
270	0.2710	-5.6823	0.0000
271	0.3101	-6.5003	0.0000
272	0.4393	-9.2089	0.0000
273	-22.0257	-126.2240	0.0000
274	0.0000	-195.3000	0.0000
275	0.0000	-227.8500	0.0000
276	0.0000	-390.6000	0.0000
277	0.0000	-649.6166	0.0000
278	0.0000	-908.6333	0.0000
279	0.0000	-1142.7166	0.0000
280	0.0000	-1402.4168	0.0000
281	0.0000	-779.1168	0.0000
282	158.7415	-12.3033	0.0000
283	0.3395	-7.1168	0.0000

JOINT ANALYSIS

STEP 1 CASE-3

SUB STEP 1

LOAD VECTOR

GRID	P(X)	P(Y)	P(MZ)
284	0.3395	-7.1172	0.0000
285	0.3395	-7.1172	0.0000
286	0.3395	-7.1172	0.0000
287	0.3395	-7.1172	0.0000
288	0.3395	-7.1172	0.0000
289	0.3395	-7.1172	0.0000
290	0.1697	-3.5586	0.0000
291	0.3741	-7.8433	0.0000
292	0.3741	-7.8433	0.0000
293	0.3741	-7.8433	0.0000
294	0.3741	-7.8433	0.0000
295	0.3741	-7.8433	0.0000
296	0.3741	-7.8433	0.0000
297	0.3741	-7.8433	0.0000
298	0.1871	-3.9216	0.0000
299	0.4276	-8.9637	0.0000
300	0.4276	-8.9637	0.0000
301	0.4276	-8.9637	0.0000
302	0.4276	-8.9637	0.0000
303	0.4276	-8.9637	0.0000
304	0.4276	-8.9637	0.0000
305	0.4276	-8.9637	0.0000
306	0.2138	-4.4818	0.0000
307	0.4639	-9.7257	0.0000
308	0.4639	-9.7257	0.0000
309	0.4639	-9.7257	0.0000
310	0.5419	-11.3616	0.0000
311	0.6200	-12.9974	0.0000
312	0.7750	-16.2471	0.0000
313	-40.2644	-51.0456	0.0000
314	153.0703	-11.9012	0.0000
315	0.3368	-7.0601	0.0000
316	0.3368	-7.0612	0.0000
317	0.3368	-7.0612	0.0000
318	0.3368	-7.0616	0.0000
319	0.3368	-7.0616	0.0000
320	0.3368	-7.0616	0.0000
321	0.3368	-7.0616	0.0000
322	0.1684	-3.5308	0.0000
323	0.3740	-7.8412	0.0000
324	0.3740	-7.8412	0.0000
325	0.3740	-7.8412	0.0000
326	0.3740	-7.8412	0.0000
327	0.3740	-7.8412	0.0000
328	0.3740	-7.8412	0.0000
329	0.3740	-7.8412	0.0000
330	0.1870	-3.9207	0.0000
331	0.4275	-8.9614	0.0000
332	0.4275	-8.9614	0.0000
333	0.4275	-8.9614	0.0000
334	0.4275	-8.9614	0.0000
335	0.4275	-8.9614	0.0000

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 45

LOAD VECTOR SUB STEP 1

GRID	P(X)	P(Y)	P(MZ)
336	0.4275	-8.9614	0.0000
337	0.4275	-8.9614	0.0000
338	0.2137	-4.4807	0.0000
339	0.4638	-9.7231	0.0000
340	0.4638	-9.7231	0.0000
341	0.4638	-9.7231	0.0000
342	0.5418	-11.3586	0.0000
343	0.6198	-12.9941	0.0000
344	0.6198	-12.9941	0.0000
345	-34.5924	-41.8951	0.0000
346	147.4782	-11.4608	0.0000
347	0.3343	-7.0093	0.0000
348	0.3343	-7.0082	0.0000
349	0.3343	-7.0078	0.0000
350	0.3343	-7.0093	0.0000
351	0.3344	-7.0096	0.0000
352	0.3344	-7.0096	0.0000
353	0.3344	-7.0096	0.0000
354	0.1672	-3.5048	0.0000
355	0.3741	-7.8433	0.0000
356	0.3741	-7.8433	0.0000
357	0.3741	-7.8433	0.0000
358	0.3741	-7.8433	0.0000
359	0.3741	-7.8433	0.0000
360	0.3741	-7.8433	0.0000
361	0.3741	-7.8433	0.0000
362	0.1871	-3.9216	0.0000
363	0.4276	-8.9637	0.0000
364	0.4276	-8.9637	0.0000
365	0.4276	-8.9637	0.0000
366	0.4276	-8.9637	0.0000
367	0.4276	-8.9637	0.0000
368	0.4276	-8.9637	0.0000
369	0.4276	-8.9637	0.0000
370	0.2138	-4.4818	0.0000
371	0.4639	-9.7257	0.0000
372	0.4639	-9.7257	0.0000
373	0.4639	-9.7257	0.0000
374	0.5419	-11.3616	0.0000
375	0.6200	-12.9974	0.0000
376	0.4650	-9.7478	0.0000
377	-28.9383	-32.7480	0.0000
378	210.0255	-17.5372	0.0000
379	0.4964	-10.4078	0.0000
380	0.3875	-8.1246	0.0000
381	0.4963	-10.4052	0.0000
382	0.6052	-12.6876	0.0000
383	0.4964	-10.4070	0.0000
384	0.3876	-8.1250	0.0000
385	0.4964	-10.4078	0.0000
386	0.3027	-6.3453	0.0000
387	0.5612	-11.7659	0.0000

GRID	P(X)	P(Y)	P(MZ)
388	0.4365	-9.1515	0.0000
389	0.5612	-11.7659	0.0000
390	0.6859	-14.3804	0.0000
391	0.5612	-11.7659	0.0000
392	0.4365	-9.1515	0.0000
393	0.5612	-11.7659	0.0000
394	0.3430	-7.1902	0.0000
395	0.6414	-13.4468	0.0000
396	0.4989	-10.4588	0.0000
397	0.6414	-13.4468	0.0000
398	0.7839	-16.4347	0.0000
399	0.6414	-13.4468	0.0000
400	0.4989	-10.4588	0.0000
401	0.6770	-13.4349	0.0000
402	0.3563	-8.2292	0.0000
403	0.6959	-14.5897	0.0000
404	0.5413	-11.3479	0.0000
405	0.6959	-14.5897	0.0000
406	0.8903	-18.6647	0.0000
407	0.8267	-17.3315	0.0000
408	-31.5922	-41.1144	0.0000
409	261.4339	-26.2551	0.0000
410	1.4172	-29.7103	0.0000
411	1.1958	-25.0701	0.0000
412	1.4171	-29.7080	0.0000
413	0.5980	-12.5373	0.0000
414	1.6212	-33.9875	0.0000
415	1.3718	-28.7586	0.0000
416	1.6212	-33.9875	0.0000
417	0.6859	-14.3793	0.0000
418	1.8528	-38.8428	0.0000
419	1.5677	-32.8670	0.0000
420	1.2471	-39.0447	0.0000
421	0.6057	-16.4929	0.0000
422	2.0103	-42.1445	0.0000
423	1.3671	-28.6615	0.0000
424	-22.5509	-38.7623	0.0000
425	242.5633	-26.1571	0.0000
426	1.3064	-27.3885	0.0000
427	1.3064	-27.3870	0.0000
428	1.3064	-27.3878	0.0000
429	0.6533	-13.6962	0.0000
430	1.5206	-31.8790	0.0000
431	1.5206	-31.8790	0.0000
432	1.5206	-31.8790	0.0000
433	0.7603	-15.9396	0.0000
434	1.7379	-36.4332	0.0000
435	1.7379	-36.4332	0.0000
436	1.0862	-36.6504	0.0000
437	0.3310	-18.3959	0.0000
438	1.7756	-37.2245	0.0000
439	-2.8341	-25.8392	0.0000

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 47

LOAD VECTOR SUB STEP 1

GRID	P(X)	P(Y)	P(MZ)
440	170.3304	-18.8488	0.0000
441	0.9940	-20.5778	0.0000
442	0.9938	-20.5755	0.0000
443	0.9940	-20.5778	0.0000
444	0.4970	-10.2902	0.0000
445	1.1731	-24.2840	0.0000
446	1.1731	-24.2840	0.0000
447	1.1731	-24.2840	0.0000
448	0.5865	-12.1420	0.0000
449	1.3406	-27.7531	0.0000
450	1.3406	-27.7531	0.0000
451	0.8379	-27.9207	0.0000
452	0.5027	-13.9324	0.0000
453	1.0349	-21.4677	0.0000
454	0.3270	-6.8110	0.0000
455	120.3951	-13.6428	0.0000
456	0.7901	-15.2309	0.0000
457	0.7900	-15.2306	0.0000
458	0.7901	-15.2309	0.0000
459	0.3950	-7.6148	0.0000
460	0.9437	-18.1916	0.0000
461	0.9437	-18.1916	0.0000
462	0.9437	-18.1916	0.0000
463	0.4719	-9.0958	0.0000
464	1.0786	-20.7905	0.0000
465	1.0786	-20.7905	0.0000
466	0.6741	-20.9253	0.0000
467	0.5245	-12.6719	0.0000
468	0.5139	-10.0324	0.0000
469	143.3841	-16.5634	0.0000
470	1.0650	-18.8019	0.0000
471	1.0650	-18.8019	0.0000
472	1.0650	-18.8019	0.0000
473	0.5325	-9.4007	0.0000
474	1.2863	-22.7040	0.0000
475	1.2863	-22.7040	0.0000
476	1.3040	-22.6981	0.0000
477	0.6254	-11.3579	0.0000
478	1.4700	-25.9475	0.0000
479	1.5211	-26.8136	0.0000
480	0.9344	-26.0538	0.0000
481	0.8156	-17.1028	0.0000
482	0.2842	-5.0165	0.0000
483	150.2466	-17.7884	0.0000
484	1.2744	-20.5930	0.0000
485	1.2744	-20.5924	0.0000
486	1.2744	-20.5924	0.0000
487	0.6372	-10.2965	0.0000
488	1.5589	-25.1835	0.0000
489	1.5589	-25.1835	0.0000
490	0.8731	-25.4121	0.0000
491	0.6858	-12.6230	0.0000

GRID	P(X)	P(Y)	P(MZ)
492	1.7816	-28.7811	0.0000
493	2.0518	-33.1065	0.0000
494	1.7001	-26.9546	0.0000
495	0.6325	-11.0472	0.0000
496	140.5311	-17.1617	0.0000
497	1.3748	-20.2725	0.0000
498	1.3746	-20.2708	0.0000
499	1.3746	-20.2701	0.0000
500	0.6874	-10.1360	0.0000
501	1.7048	-25.1348	0.0000
502	1.7048	-25.1348	0.0000
503	0.9742	-25.3784	0.0000
504	0.3811	-12.7246	0.0000
505	1.9484	-28.7255	0.0000
506	2.1966	-32.4493	0.0000
507	1.4119	-21.0086	0.0000
508	130.8139	-16.5093	0.0000
509	1.4717	-19.9507	0.0000
510	1.4719	-19.9532	0.0000
511	1.4717	-19.9507	0.0000
512	0.7358	-9.9741	0.0000
513	1.8508	-25.0862	0.0000
514	1.8508	-25.0862	0.0000
515	1.0347	-25.3582	0.0000
516	0.8161	-12.5796	0.0000
517	2.2534	-30.4702	0.0000
518	1.8025	-24.5699	0.0000
519	0.7602	-10.4336	0.0000
520	106.7808	-13.9390	0.0000
521	1.3598	-17.2204	0.0000
522	1.3601	-17.2235	0.0000
523	1.3601	-17.2229	0.0000
524	0.6799	-8.6102	0.0000
525	1.7327	-21.9384	0.0000
526	1.7327	-21.9384	0.0000
527	1.7555	-21.9307	0.0000
528	1.0233	-13.1719	0.0000
529	1.0817	-13.7223	0.0000
530	1.3498	-17.0867	0.0000
531	1.1308	-14.4565	0.0000
532	85.5660	-11.5385	0.0000
533	1.2272	-14.5822	0.0000
534	1.2274	-14.5845	0.0000
535	1.2274	-14.5845	0.0000
536	0.6137	-7.2917	0.0000
537	1.5824	-18.8012	0.0000
538	1.5824	-18.8012	0.0000
539	1.5824	-18.8012	0.0000
540	1.2551	-14.8835	0.0000
541	0.6532	-7.6749	0.0000
542	0.8702	-10.4111	0.0000
543	0.4110	-4.9267	0.0000

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 49

LOAD VECTOR SUB STEP 1

GRID	P(X)	P(Y)	P(MZ)
544	93.6721	-13.1413	0.0000
545	1.5166	-16.9644	0.0000
546	1.5166	-16.9649	0.0000
547	1.5166	-16.9649	0.0000
548	0.7582	-8.4814	0.0000
549	1.9796	-22.1404	0.0000
550	1.9796	-22.1404	0.0000
551	1.9795	-22.1399	0.0000
552	1.6826	-18.8188	0.0000
553	1.1547	-12.9149	0.0000
554	0.4619	-6.8540	0.0000
555	98.6668	-14.5363	0.0000
556	1.8224	-19.2462	0.0000
557	1.8225	-19.2469	0.0000
558	1.8225	-19.2469	0.0000
559	0.9112	-9.6229	0.0000
560	2.4120	-25.4692	0.0000
561	2.4120	-25.4692	0.0000
562	2.4118	-25.4667	0.0000
563	1.9049	-20.1626	0.0000
564	0.9716	-10.4033	0.0000
565	75.7021	-11.7562	0.0000
566	1.6010	-16.0213	0.0000
567	1.6012	-16.0234	0.0000
568	1.6013	-16.0238	0.0000
569	0.8005	-8.0109	0.0000
570	2.1480	-21.4921	0.0000
571	2.1480	-21.4921	0.0000
572	2.0751	-20.7848	0.0000
573	1.2913	-13.0073	0.0000
574	56.2834	-9.2405	0.0000
575	1.3577	-12.9094	0.0000
576	1.3578	-12.9098	0.0000
577	0.6896	-13.1343	0.0000
578	0.3448	-6.5670	0.0000
579	1.8438	-17.5298	0.0000
580	1.8490	-17.5782	0.0000
581	1.3953	-13.2935	0.0000
582	0.4682	-4.4802	0.0000
583	54.6345	-9.4462	0.0000
584	1.4921	-13.5973	0.0000
585	1.4921	-13.5973	0.0000
586	1.4922	-13.5978	0.0000
587	0.7461	-6.7989	0.0000
588	2.0490	-18.6704	0.0000
589	1.9764	-18.0262	0.0000
590	1.1137	-10.1992	0.0000
591	52.0650	-9.5908	0.0000
592	1.6300	-14.2617	0.0000
593	1.6300	-14.2617	0.0000
594	1.6300	-14.2617	0.0000
595	0.8150	-7.1308	0.0000

GRID	P(X)	P(Y)	P(MZ)
596	2.2520	-19.7046	0.0000
597	1.6771	-14.7106	0.0000
598	0.5572	-4.9099	0.0000
599	37.3534	-1.8627	0.0000
600	1.3538	-11.4515	0.0000
601	1.3340	-11.2877	0.0000
602	1.3819	-11.6848	0.0000
603	0.7149	-6.0409	0.0000
604	1.7368	-14.7125	0.0000
605	1.0362	-8.7967	0.0000
606	33.2629	5.3554	0.0000
607	1.6502	-12.8234	0.0000
608	1.4412	-11.2226	0.0000
609	1.8001	-13.9936	0.0000
610	1.3719	-10.5800	0.0000
611	1.0461	-8.2608	0.0000
612	0.5228	-4.1265	0.0000
613	29.9040	2.3904	0.0000
614	2.0210	-14.3799	0.0000
615	1.5673	-11.1806	0.0000
616	2.0096	-14.3356	0.0000
617	1.7698	-12.5957	0.0000
618	0.5438	-5.9358	0.0000
619	29.6087	-7.9573	0.0000
620	3.0196	-18.1707	0.0000
621	2.1291	-12.8219	0.0000
622	2.6658	-16.0690	0.0000
623	2.0495	-12.4125	0.0000
624	0.4483	-2.7546	0.0000
625	32.3065	-16.0013	0.0000
626	4.6278	-24.6048	0.0000
627	3.2364	-17.2071	0.0000
628	3.6526	-19.5078	0.0000
629	2.2789	-12.3196	0.0000
630	22.9961	-15.8495	0.0000
631	5.3279	-24.3714	0.0000
632	3.7260	-17.0439	0.0000
633	3.4259	-15.7474	0.0000
634	1.5629	-7.2254	0.0000
635	13.6783	-15.7003	0.0000
636	6.0165	-24.1419	0.0000
637	4.2076	-16.8834	0.0000
638	3.2767	-13.1810	0.0000
639	1.1729	-4.7392	0.0000
640	5.8922	-15.2429	0.0000
641	6.5575	-23.4387	0.0000
642	4.5859	-16.3916	0.0000
643	3.3299	-11.9090	0.0000
644	1.0369	-3.7132	0.0000
645	2.1962	-7.4300	0.0000
646	3.3771	-11.4251	0.0000
647	2.3618	-7.9900	0.0000

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 51

LOAD VECTOR SUB STEP 1

GRID	P(X)	P(Y)	P(MZ)
648	1.6973	-5.7422	0.0000
649	0.5165	-1.7472	0.0000
650	0.7794	0.2598	0.0000
651	0.4446	0.1482	0.0000
652	0.9254	0.3085	0.0000
653	0.7839	0.2613	0.0000
654	0.4414	0.1471	0.0000
655	0.6703	0.2234	0.0000
656	0.5393	0.1798	0.0000
657	0.6798	0.2266	0.0000
1250	0.0936	-1.9613	0.0000
1290	0.1871	-3.9216	0.0000
1322	0.1870	-3.9207	0.0000
1354	0.1871	-3.9216	0.0000
1386	0.3430	-7.1902	0.0000
1413	0.6859	-14.3793	0.0000
1429	0.7603	-15.9396	0.0000
1444	0.5865	-12.1420	0.0000
1459	0.4719	-9.0958	0.0000
1473	0.6431	-11.3520	0.0000
1487	0.7794	-12.5918	0.0000
1500	0.8524	-12.5675	0.0000
1512	0.9254	-12.5431	0.0000
1524	0.8663	-10.9692	0.0000
1536	0.7912	-9.4007	0.0000
1548	0.9898	-11.0699	0.0000
1559	1.2059	-12.7333	0.0000
1569	1.0740	-10.7457	0.0000
1578	0.9219	-8.7649	0.0000
1587	1.0245	-9.3352	0.0000
1595	1.1320	-9.9039	0.0000
1603	0.8873	-7.5162	0.0000
1610	0.5233	-4.1343	0.0000
1618	0.5270	-1.8747	0.0000
1258	0.1069	-2.2416	0.0000
1298	0.2138	-4.4818	0.0000
1330	0.2137	-4.4807	0.0000
1362	0.2138	-4.4818	0.0000
1394	0.3920	-8.2173	0.0000
1417	0.7839	-16.4335	0.0000
1433	0.8689	-18.2166	0.0000
1448	0.6703	-13.8766	0.0000
1463	0.5393	-10.3952	0.0000
1477	0.7350	-12.9737	0.0000
1491	0.8908	-14.3906	0.0000
1504	0.9742	-14.3628	0.0000
1516	0.9866	-13.4100	0.0000
1528	0.5875	-7.5058	0.0000
1541	0.6391	-7.6796	0.0000
1554	0.3311	-2.1446	0.0000
1266	0.1160	-2.4320	0.0000
1306	0.2320	-4.8628	0.0000

STEP 1 CASE-3 SUB STEP 1

LOAD VECTOR

GRID	P(X)	P(Y)	P(MZ)
1338	0.2319	-4.8616	0.0000
1370	0.2320	-4.8628	0.0000
1402	0.4253	-8.9158	0.0000
1421	0.8505	-17.8303	0.0000
1437	0.9373	-19.6509	0.0000
1452	0.7079	-14.6567	0.0000
1467	0.4568	-8.8780	0.0000
1482	0.2168	-4.0324	0.0000
2577	0.6684	0.2228	0.0000
2578	0.3342	0.1114	0.0000
2504	0.3496	0.1165	0.0000
2651	0.4078	0.1359	0.0000
2437	0.3207	0.1069	0.0000
2654	0.4276	0.1425	0.0000

STEP	TIMES	RESIDUAL FORCE	DISPLACEMENT		
1	0	1.000000E+00	1.000000E+00	4.071532E+03	4.071532E+03
1	1	2.083016E-01	1.017379E+00	8.481066E+02	4.071532E+03
1	2	7.405574E-01	1.157637E-01	3.015203E+03	4.071532E+03
1	3	1.588516E-01	3.370625E-01	6.467695E+02	4.071532E+03
1	4	1.997643E-01	9.983571E-03	8.133468E+02	4.071532E+03
1	5	2.822957E-01	8.637148E-02	1.149376E+03	4.071532E+03
1	6	4.298251E-01	4.626627E-01	1.750047E+03	4.071532E+03
1	7	7.820887E-02	1.668934E-02	3.184300E+02	4.071532E+03
1	8	7.026700E-02	6.053128E-02	2.860944E+02	4.071532E+03
1	9	1.102576E-02	1.188700E-01	4.489176E+01	4.071532E+03
1	10	3.019397E-02	9.494472E-03	1.229357E+02	4.071532E+03

SUPPORT REACTION FORCE

GRID	LOCAL	REACTION(X)	REACTION(Y)	REACTION(Z)	REACTION(MX)	REACTION(MY)	REACTION(MZ)
1	0	782.160350	2104.332443	0.000000	0.000000	0.000000	0.000000
2	0	-139.494435	3755.474127	0.000000	0.000000	0.000000	0.000000
3	0	-209.151019	2992.907329	0.000000	0.000000	0.000000	0.000000
4	0	-253.992212	2643.883900	0.000000	0.000000	0.000000	0.000000
5	0	-220.760541	1933.483321	0.000000	0.000000	0.000000	0.000000
6	0	-151.178681	1185.592203	0.000000	0.000000	0.000000	0.000000
7	0	-184.447209	1309.956641	0.000000	0.000000	0.000000	0.000000
8	0	-256.326641	1614.123610	0.000000	0.000000	0.000000	0.000000
9	0	-372.021788	1984.929817	0.000000	0.000000	0.000000	0.000000
10	0	-409.018986	1876.267313	0.000000	0.000000	0.000000	0.000000
11	0	-350.555042	1456.658645	0.000000	0.000000	0.000000	0.000000
12	0	-372.400989	1528.226017	0.000000	0.000000	0.000000	0.000000
13	0	-361.285881	1700.452103	0.000000	0.000000	0.000000	0.000000
14	0	-238.962364	1869.352042	0.000000	0.000000	0.000000	0.000000
15	0	-504.767500	993.607764	0.000000	0.000000	0.000000	0.000000
16	0	1280.952814	0.000000	0.000000	0.000000	0.000000	0.000000
30	0	-1075.743184	0.000000	0.000000	0.000000	0.000000	0.000000
31	0	825.351825	0.000000	0.000000	0.000000	0.000000	0.000000
45	0	-879.306049	0.000000	0.000000	0.000000	0.000000	0.000000
46	0	609.274011	0.000000	0.000000	0.000000	0.000000	0.000000
66	0	-676.121454	0.000000	0.000000	0.000000	0.000000	0.000000
67	0	464.369743	0.000000	0.000000	0.000000	0.000000	0.000000
87	0	-497.446888	0.000000	0.000000	0.000000	0.000000	0.000000
88	0	271.949480	0.000000	0.000000	0.000000	0.000000	0.000000
120	0	-276.045737	0.000000	0.000000	0.000000	0.000000	0.000000
121	0	219.738308	0.000000	0.000000	0.000000	0.000000	0.000000
153	0	-213.300971	0.000000	0.000000	0.000000	0.000000	0.000000
232	0	113.687103	0.000000	0.000000	0.000000	0.000000	0.000000
281	0	-96.335230	0.000000	0.000000	0.000000	0.000000	0.000000
TOTAL REACTION (IN GLOBAL)		-3171.179167	28949.247274	0.000000	0.000000	0.000000	0.000000

JOINT ANALYSIS

STEP 1 CASE-3 変位 ; m PAGE 54

SUB STEP 1

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL)

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
1	0.000000	0.000000	0.000000	0.000000
2	0.000000	0.000000	0.000000	0.000000
3	0.000000	0.000000	0.000000	0.000000
4	0.000000	0.000000	0.000000	0.000000
5	0.000000	0.000000	0.000000	0.000000
6	0.000000	0.000000	0.000000	0.000000
7	0.000000	0.000000	0.000000	0.000000
8	0.000000	0.000000	0.000000	0.000000
9	0.000000	0.000000	0.000000	0.000000
10	0.000000	0.000000	0.000000	0.000000
11	0.000000	0.000000	0.000000	0.000000
12	0.000000	0.000000	0.000000	0.000000
13	0.000000	0.000000	0.000000	0.000000
14	0.000000	0.000000	0.000000	0.000000
15	0.000000	0.000000	0.000000	0.000000
16	0.000000	-0.003066	0.000000	-0.003066
17	0.000339	-0.003034	0.000339	-0.003034
18	0.000601	-0.002958	0.000601	-0.002958
19	0.000797	-0.002862	0.000797	-0.002862
20	0.000960	-0.002756	0.000960	-0.002756
21	0.001031	-0.002710	0.001031	-0.002710
22	0.001092	-0.002672	0.001092	-0.002672
23	0.001180	-0.002608	0.001180	-0.002608
24	0.001278	-0.002498	0.001278	-0.002498
25	0.001352	-0.002235	0.001352	-0.002235
26	0.001322	-0.001982	0.001322	-0.001982
27	0.001198	-0.001725	0.001198	-0.001725
28	0.000926	-0.001449	0.000926	-0.001449
29	0.000524	-0.001255	0.000524	-0.001255
30	0.000000	-0.001181	0.000000	-0.001181
31	0.000000	-0.005646	0.000000	-0.005646
32	0.000517	-0.005595	0.000517	-0.005595
33	0.000940	-0.005460	0.000940	-0.005460
34	0.001279	-0.005268	0.001279	-0.005268
35	0.001561	-0.005033	0.001561	-0.005033
36	0.001671	-0.004934	0.001671	-0.004934
37	0.001755	-0.004867	0.001755	-0.004867
38	0.001873	-0.004786	0.001873	-0.004786
39	0.002021	-0.004621	0.002021	-0.004621
40	0.002135	-0.004056	0.002135	-0.004056
41	0.002027	-0.003444	0.002027	-0.003444
42	0.001766	-0.002885	0.001766	-0.002885
43	0.001303	-0.002357	0.001303	-0.002357
44	0.000714	-0.002027	0.000714	-0.002027
45	0.000000	-0.001908	0.000000	-0.001908
46	0.000000	-0.007309	0.000000	-0.007309
47	0.000579	-0.007252	0.000579	-0.007252
48	0.001076	-0.007097	0.001076	-0.007097
49	0.001512	-0.006850	0.001512	-0.006850
50	0.001910	-0.006499	0.001910	-0.006499
51	0.002053	-0.006333	0.002053	-0.006333
52	0.002147	-0.006243	0.002147	-0.006243

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL)

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
53	0.002184	-0.006218	0.002184	-0.006218
54	0.002221	-0.006201	0.002221	-0.006201
55	0.002266	-0.006183	0.002266	-0.006183
56	0.002312	-0.006156	0.002312	-0.006156
57	0.002376	-0.006109	0.002376	-0.006109
58	0.002432	-0.006026	0.002432	-0.006026
59	0.002494	-0.005871	0.002494	-0.005871
60	0.002563	-0.005571	0.002563	-0.005571
61	0.002548	-0.005202	0.002548	-0.005202
62	0.002333	-0.004252	0.002333	-0.004252
63	0.001930	-0.003474	0.001930	-0.003474
64	0.001357	-0.002826	0.001357	-0.002826
65	0.000724	-0.002449	0.000724	-0.002449
66	0.000000	-0.002319	0.000000	-0.002319
67	0.000000	-0.008990	0.000000	-0.008990
68	0.000598	-0.008935	0.000598	-0.008935
69	0.001127	-0.008780	0.001127	-0.008780
70	0.001645	-0.008510	0.001645	-0.008510
71	0.002221	-0.008053	0.002221	-0.008053
72	0.002483	-0.007735	0.002483	-0.007735
73	0.002622	-0.007590	0.002622	-0.007590
74	0.002675	-0.007583	0.002675	-0.007583
75	0.002732	-0.007603	0.002732	-0.007603
76	0.002790	-0.007619	0.002790	-0.007619
77	0.002843	-0.007626	0.002843	-0.007626
78	0.002887	-0.007610	0.002887	-0.007610
79	0.002929	-0.007547	0.002929	-0.007547
80	0.002968	-0.007407	0.002968	-0.007407
81	0.002995	-0.006986	0.002995	-0.006986
82	0.002928	-0.006272	0.002928	-0.006272
83	0.002404	-0.004857	0.002404	-0.004857
84	0.001856	-0.003937	0.001856	-0.003937
85	0.001249	-0.003239	0.001249	-0.003239
86	0.000658	-0.002857	0.000658	-0.002857
87	0.000000	-0.002726	0.000000	-0.002726
88	0.000000	-0.009894	0.000000	-0.009894
89	0.000590	-0.009841	0.000590	-0.009841
90	0.001111	-0.009695	0.001111	-0.009695
91	0.001638	-0.009435	0.001638	-0.009435
92	0.002327	-0.008946	0.002327	-0.008946
93	0.002543	-0.008750	0.002543	-0.008750
94	0.002725	-0.008545	0.002725	-0.008545
95	0.002885	-0.008346	0.002885	-0.008346
96	0.002966	-0.008296	0.002966	-0.008296
97	0.003015	-0.008317	0.003015	-0.008317
98	0.003065	-0.008346	0.003065	-0.008346
99	0.003117	-0.008372	0.003117	-0.008372
100	0.003179	-0.008400	0.003179	-0.008400
101	0.003240	-0.008421	0.003240	-0.008421
102	0.003280	-0.008422	0.003280	-0.008422
103	0.003310	-0.008416	0.003310	-0.008416
104	0.003326	-0.008418	0.003326	-0.008418

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 56

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL) SUB STEP 1

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
105	0.003335	-0.008422	0.003335	-0.008422
106	0.003342	-0.008414	0.003342	-0.008414
107	0.003345	-0.008399	0.003345	-0.008399
108	0.003329	-0.008378	0.003329	-0.008378
109	0.003303	-0.008332	0.003303	-0.008332
110	0.003283	-0.008259	0.003283	-0.008259
111	0.003267	-0.008109	0.003267	-0.008109
112	0.003252	-0.007798	0.003252	-0.007798
113	0.003154	-0.007295	0.003154	-0.007295
114	0.002994	-0.006744	0.002994	-0.006744
115	0.002767	-0.006113	0.002767	-0.006113
116	0.002239	-0.005095	0.002239	-0.005095
117	0.001671	-0.004139	0.001671	-0.004139
118	0.001124	-0.003454	0.001124	-0.003454
119	0.000600	-0.003078	0.000600	-0.003078
120	0.000000	-0.002949	0.000000	-0.002949
121	0.000000	-0.010497	0.000000	-0.010497
122	0.000579	-0.010446	0.000579	-0.010446
123	0.001086	-0.010305	0.001086	-0.010305
124	0.001596	-0.010059	0.001596	-0.010059
125	0.002318	-0.009579	0.002318	-0.009579
126	0.002559	-0.009386	0.002559	-0.009386
127	0.002854	-0.009152	0.002854	-0.009152
128	0.003163	-0.008818	0.003163	-0.008818
129	0.003287	-0.008675	0.003287	-0.008675
130	0.003329	-0.008788	0.003329	-0.008788
131	0.003433	-0.008970	0.003433	-0.008970
132	0.003582	-0.009062	0.003582	-0.009062
133	0.003705	-0.009015	0.003705	-0.009015
134	0.003743	-0.008935	0.003743	-0.008935
135	0.003759	-0.008964	0.003759	-0.008964
136	0.003813	-0.008998	0.003813	-0.008998
137	0.003854	-0.008922	0.003854	-0.008922
138	0.003805	-0.008855	0.003805	-0.008855
139	0.003762	-0.008955	0.003762	-0.008955
140	0.003788	-0.009032	0.003788	-0.009032
141	0.003808	-0.008906	0.003808	-0.008906
142	0.003698	-0.008758	0.003698	-0.008758
143	0.003575	-0.008807	0.003575	-0.008807
144	0.003502	-0.008826	0.003502	-0.008826
145	0.003429	-0.008411	0.003429	-0.008411
146	0.003222	-0.007653	0.003222	-0.007653
147	0.002918	-0.006939	0.002918	-0.006939
148	0.002529	-0.006220	0.002529	-0.006220
149	0.002007	-0.005212	0.002007	-0.005212
150	0.001489	-0.004273	0.001489	-0.004273
151	0.001023	-0.003600	0.001023	-0.003600
152	0.000556	-0.003230	0.000556	-0.003230
153	0.000000	-0.003101	0.000000	-0.003101
154	0.002525	-0.009727	0.002525	-0.009727
155	0.002841	-0.009484	0.002841	-0.009484
156	0.003049	-0.009317	0.003049	-0.009317

JOINT ANALYSIS

STEP 1 CASE-3

SUB STEP 1

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL)

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
157	0.003266	-0.009128	0.003266	-0.009128
158	0.003435	-0.008927	0.003435	-0.008927
159	0.003536	-0.008793	0.003536	-0.008793
160	0.003557	-0.008854	0.003557	-0.008854
161	0.003593	-0.008990	0.003593	-0.008990
162	0.003630	-0.009165	0.003630	-0.009165
163	0.003694	-0.009361	0.003694	-0.009361
164	0.003800	-0.009531	0.003800	-0.009531
165	0.003912	-0.009616	0.003912	-0.009616
166	0.004036	-0.009558	0.004036	-0.009558
167	0.004131	-0.009343	0.004131	-0.009343
168	0.004104	-0.009108	0.004104	-0.009108
169	0.004055	-0.009041	0.004055	-0.009041
170	0.004023	-0.009110	0.004023	-0.009110
171	0.004009	-0.009234	0.004009	-0.009234
172	0.004051	-0.009359	0.004051	-0.009359
173	0.004113	-0.009429	0.004113	-0.009429
174	0.004190	-0.009373	0.004190	-0.009373
175	0.004247	-0.009167	0.004247	-0.009167
176	0.004176	-0.008950	0.004176	-0.008950
177	0.004094	-0.008927	0.004094	-0.008927
178	0.004031	-0.009049	0.004031	-0.009049
179	0.003992	-0.009225	0.003992	-0.009225
180	0.004016	-0.009395	0.004016	-0.009395
181	0.004066	-0.009497	0.004066	-0.009497
182	0.004136	-0.009436	0.004136	-0.009436
183	0.004187	-0.009169	0.004187	-0.009169
184	0.004080	-0.008887	0.004080	-0.008887
185	0.003962	-0.008828	0.003962	-0.008828
186	0.003867	-0.008924	0.003867	-0.008924
187	0.003797	-0.009064	0.003797	-0.009064
188	0.003767	-0.009205	0.003767	-0.009205
189	0.003735	-0.009241	0.003735	-0.009241
190	0.003532	-0.008730	0.003532	-0.008730
191	0.003133	-0.007734	0.003133	-0.007734
192	0.002710	-0.006958	0.002710	-0.006958
193	0.002328	-0.006260	0.002328	-0.006260
194	0.002806	-0.009663	0.002806	-0.009663
195	0.003009	-0.009503	0.003009	-0.009503
196	0.003265	-0.009314	0.003265	-0.009314
197	0.003539	-0.009069	0.003539	-0.009069
198	0.003720	-0.008784	0.003720	-0.008784
199	0.003762	-0.008866	0.003762	-0.008866
200	0.003810	-0.009071	0.003810	-0.009071
201	0.003877	-0.009326	0.003877	-0.009326
202	0.003948	-0.009588	0.003948	-0.009588
203	0.004016	-0.009818	0.004016	-0.009818
204	0.004096	-0.009968	0.004096	-0.009968
205	0.004197	-0.010010	0.004197	-0.010010
206	0.004348	-0.009500	0.004348	-0.009500
207	0.004251	-0.008988	0.004251	-0.008988
208	0.004213	-0.009035	0.004213	-0.009035

JOINT ANALYSIS

STEP 1 CASE-3

SUB STEP 1

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL)

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
209	0.004202	-0.009172	0.004202	-0.009172
210	0.004211	-0.009367	0.004211	-0.009367
211	0.004228	-0.009561	0.004228	-0.009561
212	0.004264	-0.009699	0.004264	-0.009699
213	0.004328	-0.009749	0.004328	-0.009749
214	0.004445	-0.009277	0.004445	-0.009277
215	0.004318	-0.008821	0.004318	-0.008821
216	0.004253	-0.008919	0.004253	-0.008919
217	0.004218	-0.009110	0.004218	-0.009110
218	0.004202	-0.009361	0.004202	-0.009361
219	0.004196	-0.009605	0.004196	-0.009605
220	0.004210	-0.009777	0.004210	-0.009777
221	0.004258	-0.009842	0.004258	-0.009842
222	0.004370	-0.009293	0.004370	-0.009293
223	0.004199	-0.008750	0.004199	-0.008750
224	0.004104	-0.008831	0.004104	-0.008831
225	0.004052	-0.008999	0.004052	-0.008999
226	0.004022	-0.009204	0.004022	-0.009204
227	0.003981	-0.009409	0.003981	-0.009409
228	0.003919	-0.009476	0.003919	-0.009476
229	0.003566	-0.008869	0.003566	-0.008869
230	0.002989	-0.007724	0.002989	-0.007724
231	0.002545	-0.006955	0.002545	-0.006955
232	0.000000	-0.011099	0.000000	-0.011099
233	0.000564	-0.011049	0.000564	-0.011049
234	0.001050	-0.010913	0.001050	-0.010913
235	0.001527	-0.010683	0.001527	-0.010683
236	0.002218	-0.010226	0.002218	-0.010226
237	0.002453	-0.010063	0.002453	-0.010063
238	0.002755	-0.009837	0.002755	-0.009837
239	0.002944	-0.009693	0.002944	-0.009693
240	0.003187	-0.009508	0.003187	-0.009508
241	0.003443	-0.009321	0.003443	-0.009321
242	0.003990	-0.008764	0.003990	-0.008764
243	0.004142	-0.008857	0.004142	-0.008857
244	0.004248	-0.009165	0.004248	-0.009165
245	0.004319	-0.009488	0.004319	-0.009488
246	0.004371	-0.009810	0.004371	-0.009810
247	0.004410	-0.010103	0.004410	-0.010103
248	0.004449	-0.010346	0.004449	-0.010346
249	0.004504	-0.010473	0.004504	-0.010473
250	0.004770	-0.010726	0.004770	-0.010726
251	0.004533	-0.008869	0.004533	-0.008869
252	0.004523	-0.008996	0.004523	-0.008996
253	0.004529	-0.009231	0.004529	-0.009231
254	0.004539	-0.009497	0.004539	-0.009497
255	0.004547	-0.009761	0.004547	-0.009761
256	0.004558	-0.009994	0.004558	-0.009994
257	0.004584	-0.010119	0.004584	-0.010119
258	0.004818	-0.010338	0.004818	-0.010338
259	0.004571	-0.008721	0.004571	-0.008721
260	0.004552	-0.008889	0.004552	-0.008889

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
261	0.004541	-0.009176	0.004541	-0.009176
262	0.004530	-0.009495	0.004530	-0.009495
263	0.004511	-0.009809	0.004511	-0.009809
264	0.004493	-0.010080	0.004493	-0.010080
265	0.004483	-0.010213	0.004483	-0.010213
266	0.004722	-0.010394	0.004722	-0.010394
267	0.004414	-0.008660	0.004414	-0.008660
268	0.004378	-0.008818	0.004378	-0.008818
269	0.004360	-0.009096	0.004360	-0.009096
270	0.004349	-0.009366	0.004349	-0.009366
271	0.004314	-0.009625	0.004314	-0.009625
272	0.004222	-0.009714	0.004222	-0.009714
273	0.003566	-0.008958	0.003566	-0.008958
274	0.002682	-0.007670	0.002682	-0.007670
275	0.002378	-0.006973	0.002378	-0.006973
276	0.002083	-0.006305	0.002083	-0.006305
277	0.001651	-0.005320	0.001651	-0.005320
278	0.001279	-0.004418	0.001279	-0.004418
279	0.000911	-0.003753	0.000911	-0.003753
280	0.000511	-0.003385	0.000511	-0.003385
281	0.000000	-0.003256	0.000000	-0.003256
282	0.005742	-0.007882	0.005742	-0.007882
283	0.005377	-0.008739	0.005377	-0.008739
284	0.005273	-0.009263	0.005273	-0.009263
285	0.005242	-0.009760	0.005242	-0.009760
286	0.005242	-0.010232	0.005242	-0.010232
287	0.005266	-0.010686	0.005266	-0.010686
288	0.005327	-0.011127	0.005327	-0.011127
289	0.005486	-0.011616	0.005486	-0.011616
290	0.005775	-0.012330	0.005775	-0.012330
291	0.005465	-0.008380	0.005465	-0.008380
292	0.005312	-0.008875	0.005312	-0.008875
293	0.005261	-0.009313	0.005251	-0.009313
294	0.005247	-0.009749	0.005247	-0.009749
295	0.005254	-0.010181	0.005254	-0.010181
296	0.005295	-0.010609	0.005295	-0.010609
297	0.005431	-0.011078	0.005431	-0.011078
298	0.005709	-0.011766	0.005709	-0.011766
299	0.005394	-0.008310	0.005394	-0.008310
300	0.005255	-0.008819	0.005255	-0.008819
301	0.005212	-0.009296	0.005212	-0.009296
302	0.005191	-0.009776	0.005191	-0.009776
303	0.005179	-0.010251	0.005179	-0.010251
304	0.005189	-0.010717	0.005189	-0.010717
305	0.005300	-0.011209	0.005300	-0.011209
306	0.005597	-0.011944	0.005597	-0.011944
307	0.005199	-0.008264	0.005199	-0.008264
308	0.005039	-0.008814	0.005039	-0.008814
309	0.005016	-0.009316	0.005016	-0.009316
310	0.005035	-0.009749	0.005035	-0.009749
311	0.005058	-0.010144	0.005058	-0.010144
312	0.004992	-0.010230	0.004992	-0.010230

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 60

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL) SUB STEP 1

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
313	0.004753	-0.009734	0.004753	-0.009734
314	0.007104	-0.007460	0.007104	-0.007460
315	0.006826	-0.008466	0.006826	-0.008466
316	0.006612	-0.009287	0.006612	-0.009287
317	0.006502	-0.009984	0.006502	-0.009984
318	0.006459	-0.010633	0.006459	-0.010633
319	0.006469	-0.011269	0.006469	-0.011269
320	0.006545	-0.011937	0.006545	-0.011937
321	0.006703	-0.012699	0.006703	-0.012699
322	0.006935	-0.013625	0.006935	-0.013625
323	0.006643	-0.007887	0.006643	-0.007887
324	0.006442	-0.008680	0.006442	-0.008680
325	0.006334	-0.009354	0.006334	-0.009354
326	0.006292	-0.009978	0.006292	-0.009978
327	0.006297	-0.010596	0.006297	-0.010596
328	0.006364	-0.011251	0.006364	-0.011251
329	0.006518	-0.012003	0.006518	-0.012003
330	0.006759	-0.012931	0.006759	-0.012931
331	0.006468	-0.007878	0.006468	-0.007878
332	0.006286	-0.008691	0.006286	-0.008691
333	0.006201	-0.009391	0.006201	-0.009391
334	0.006170	-0.010044	0.006170	-0.010044
335	0.006171	-0.010693	0.006171	-0.010693
336	0.006223	-0.011385	0.006223	-0.011385
337	0.006372	-0.012193	0.006372	-0.012193
338	0.006633	-0.013228	0.006633	-0.013228
339	0.006248	-0.007823	0.006248	-0.007823
340	0.006035	-0.008763	0.006035	-0.008763
341	0.005976	-0.009544	0.005976	-0.009544
342	0.005992	-0.010161	0.005992	-0.010161
343	0.006018	-0.010698	0.006018	-0.010698
344	0.005982	-0.010831	0.005982	-0.010831
345	0.005852	-0.010522	0.005852	-0.010522
346	0.008575	-0.007189	0.008575	-0.007189
347	0.008317	-0.008305	0.008317	-0.008305
348	0.008115	-0.009303	0.008115	-0.009303
349	0.007988	-0.010199	0.007988	-0.010199
350	0.007930	-0.011017	0.007930	-0.011017
351	0.007920	-0.011826	0.007920	-0.011826
352	0.007975	-0.012698	0.007975	-0.012698
353	0.008104	-0.013662	0.008104	-0.013662
354	0.008288	-0.014745	0.008288	-0.014745
355	0.008011	-0.007457	0.008011	-0.007457
356	0.007799	-0.008478	0.007799	-0.008478
357	0.007672	-0.009376	0.007672	-0.009376
358	0.007615	-0.010185	0.007615	-0.010185
359	0.007606	-0.010984	0.007606	-0.010984
360	0.007662	-0.011855	0.007662	-0.011855
361	0.007800	-0.012832	0.007800	-0.012832
362	0.008004	-0.013945	0.008004	-0.013945
363	0.007738	-0.007496	0.007738	-0.007496
364	0.007553	-0.008552	0.007553	-0.008552

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
365	0.007458	-0.009474	0.007458	-0.009474
366	0.007427	-0.010303	0.007427	-0.010303
367	0.007440	-0.011126	0.007440	-0.011126
368	0.007512	-0.012033	0.007512	-0.012033
369	0.007656	-0.013089	0.007656	-0.013089
370	0.007883	-0.014362	0.007883	-0.014362
371	0.007515	-0.007410	0.007515	-0.007410
372	0.007299	-0.008713	0.007299	-0.008713
373	0.007229	-0.009792	0.007229	-0.009792
374	0.007227	-0.010596	0.007227	-0.010596
375	0.007220	-0.011293	0.007220	-0.011293
376	0.007160	-0.011486	0.007160	-0.011486
377	0.007069	-0.011335	0.007069	-0.011335
378	0.010138	-0.007006	0.010138	-0.007006
379	0.009926	-0.008236	0.009926	-0.008236
380	0.009778	-0.009376	0.009778	-0.009376
381	0.009637	-0.010427	0.009637	-0.010427
382	0.009543	-0.011390	0.009543	-0.011390
383	0.009553	-0.012344	0.009553	-0.012344
384	0.009609	-0.013382	0.009609	-0.013382
385	0.009669	-0.014508	0.009669	-0.014508
386	0.009794	-0.015733	0.009794	-0.015733
387	0.009551	-0.007099	0.009551	-0.007099
388	0.009381	-0.008303	0.009381	-0.008303
389	0.009215	-0.009390	0.009215	-0.009390
390	0.009108	-0.010373	0.009108	-0.010373
391	0.009126	-0.011335	0.009126	-0.011335
392	0.009191	-0.012389	0.009191	-0.012389
393	0.009258	-0.013554	0.009258	-0.013554
394	0.009408	-0.014842	0.009408	-0.014842
395	0.009182	-0.007180	0.009182	-0.007180
396	0.009056	-0.008441	0.009056	-0.008441
397	0.008934	-0.009553	0.008934	-0.009553
398	0.008867	-0.010552	0.008867	-0.010552
399	0.008926	-0.011547	0.008926	-0.011547
400	0.009055	-0.012645	0.009055	-0.012645
401	0.009177	-0.013867	0.009177	-0.013867
402	0.009321	-0.015374	0.009321	-0.015374
403	0.009001	-0.007051	0.009001	-0.007051
404	0.008913	-0.008730	0.008913	-0.008730
405	0.008792	-0.010052	0.008792	-0.010052
406	0.008690	-0.011066	0.008690	-0.011066
407	0.008727	-0.011931	0.008727	-0.011931
408	0.008568	-0.012200	0.008568	-0.012200
409	0.013637	-0.007004	0.013637	-0.007004
410	0.013310	-0.009655	0.013310	-0.009655
411	0.013162	-0.012108	0.013162	-0.012108
412	0.013120	-0.014563	0.013120	-0.014563
413	0.013257	-0.017215	0.013257	-0.017215
414	0.012816	-0.008057	0.012816	-0.008057
415	0.012609	-0.010672	0.012609	-0.010672
416	0.012534	-0.013274	0.012534	-0.013274

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 62

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL) SUB STEP 1

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
417	0.012707	-0.016134	0.012707	-0.016134
418	0.012330	-0.008324	0.012330	-0.008324
419	0.012305	-0.011060	0.012305	-0.011060
420	0.012478	-0.013725	0.012478	-0.013725
421	0.012976	-0.016836	0.012976	-0.016836
422	0.012780	-0.008967	0.012780	-0.008967
423	0.012780	-0.012231	0.012780	-0.012231
424	0.012574	-0.013398	0.012574	-0.013398
425	0.017418	-0.007191	0.017418	-0.007191
426	0.017207	-0.010081	0.017207	-0.010081
427	0.017070	-0.012792	0.017070	-0.012792
428	0.017026	-0.015506	0.017026	-0.015506
429	0.017044	-0.018413	0.017044	-0.018413
430	0.016713	-0.007907	0.016713	-0.007907
431	0.016470	-0.010902	0.016470	-0.010902
432	0.016357	-0.013890	0.016357	-0.013890
433	0.016349	-0.017145	0.016349	-0.017145
434	0.016066	-0.008306	0.016066	-0.008306
435	0.016009	-0.011580	0.016009	-0.011580
436	0.016248	-0.014646	0.016248	-0.014646
437	0.016810	-0.017774	0.016810	-0.017774
438	0.018737	-0.009576	0.018737	-0.009576
439	0.018413	-0.013779	0.018413	-0.013779
440	0.021557	-0.007643	0.021557	-0.007643
441	0.021403	-0.010624	0.021403	-0.010624
442	0.021300	-0.013457	0.021300	-0.013457
443	0.021244	-0.016293	0.021244	-0.016293
444	0.021229	-0.019286	0.021229	-0.019286
445	0.020962	-0.007850	0.020962	-0.007850
446	0.020741	-0.011056	0.020741	-0.011056
447	0.020571	-0.014288	0.020571	-0.014288
448	0.020472	-0.017795	0.020472	-0.017795
449	0.020170	-0.008349	0.020170	-0.008349
450	0.020023	-0.012056	0.020023	-0.012056
451	0.019982	-0.015456	0.019982	-0.015456
452	0.020063	-0.018176	0.020063	-0.018176
453	0.027138	-0.010270	0.027138	-0.010270
454	0.026899	-0.012296	0.026899	-0.012296
455	0.023652	-0.007943	0.023652	-0.007943
456	0.023533	-0.010926	0.023533	-0.010926
457	0.023442	-0.013774	0.023442	-0.013774
458	0.023387	-0.016624	0.023387	-0.016624
459	0.023349	-0.019610	0.023349	-0.019610
460	0.023140	-0.007859	0.023140	-0.007859
461	0.022942	-0.011105	0.022942	-0.011105
462	0.022765	-0.014396	0.022765	-0.014396
463	0.022622	-0.018001	0.022622	-0.018001
464	0.022342	-0.008389	0.022342	-0.008389
465	0.022169	-0.012265	0.022169	-0.012265
466	0.021859	-0.015698	0.021859	-0.015698
467	0.020473	-0.017975	0.020473	-0.017975
468	0.031875	-0.010472	0.031875	-0.010472

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL)

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
469	0.026262	-0.008378	0.026262	-0.008378
470	0.026170	-0.011320	0.026170	-0.011320
471	0.026093	-0.014155	0.026093	-0.014155
472	0.026039	-0.016984	0.026039	-0.016984
473	0.025989	-0.019918	0.025989	-0.019918
474	0.025850	-0.007906	0.025850	-0.007906
475	0.025696	-0.011151	0.025696	-0.011151
476	0.025555	-0.014461	0.025555	-0.014461
477	0.025407	-0.018144	0.025407	-0.018144
478	0.025201	-0.008484	0.025201	-0.008484
479	0.025054	-0.012526	0.025054	-0.012526
480	0.024693	-0.015931	0.024693	-0.015931
481	0.024464	-0.018942	0.024464	-0.018942
482	0.024470	-0.021607	0.024470	-0.021607
483	0.029451	-0.008976	0.029451	-0.008976
484	0.029382	-0.011826	0.029382	-0.011826
485	0.029315	-0.014602	0.029315	-0.014602
486	0.029260	-0.017366	0.029260	-0.017366
487	0.029198	-0.020181	0.029198	-0.020181
488	0.029131	-0.008031	0.029131	-0.008031
489	0.029085	-0.011192	0.029085	-0.011192
490	0.028999	-0.014476	0.028999	-0.014476
491	0.029030	-0.018210	0.029030	-0.018210
492	0.029159	-0.008736	0.029159	-0.008736
493	0.029096	-0.012942	0.029096	-0.012942
494	0.028890	-0.017694	0.028890	-0.017694
495	0.028849	-0.019613	0.028849	-0.019613
496	0.032521	-0.009601	0.032521	-0.009601
497	0.032465	-0.012329	0.032465	-0.012329
498	0.032396	-0.015014	0.032396	-0.015014
499	0.032324	-0.017680	0.032324	-0.017680
500	0.032236	-0.020342	0.032236	-0.020342
501	0.032174	-0.008196	0.032174	-0.008196
502	0.032192	-0.011309	0.032192	-0.011309
503	0.032356	-0.014264	0.032356	-0.014264
504	0.032542	-0.016058	0.032542	-0.016058
505	0.033688	-0.009148	0.033688	-0.009148
506	0.033602	-0.013399	0.033602	-0.013399
507	0.033257	-0.018438	0.033257	-0.018438
508	0.035461	-0.010212	0.035461	-0.010212
509	0.035407	-0.012807	0.035407	-0.012807
510	0.035326	-0.015380	0.035326	-0.015380
511	0.035221	-0.017930	0.035221	-0.017930
512	0.035088	-0.020441	0.035088	-0.020441
513	0.034938	-0.008327	0.034938	-0.008327
514	0.034776	-0.011395	0.034776	-0.011395
515	0.034593	-0.014040	0.034593	-0.014040
516	0.034528	-0.015867	0.034528	-0.015867
517	0.038848	-0.009642	0.038848	-0.009642
518	0.038409	-0.013802	0.038409	-0.013802
519	0.038171	-0.016841	0.038171	-0.016841
520	0.038288	-0.010787	0.038288	-0.010787

JOINT ANALYSIS

STEP 1 CASE-3

SUB STEP 1

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL)

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
521	0.038234	-0.013253	0.038234	-0.013253
522	0.038136	-0.015691	0.038136	-0.015691
523	0.037990	-0.018112	0.037990	-0.018112
524	0.037805	-0.020503	0.037805	-0.020503
525	0.037533	-0.008372	0.037533	-0.008372
526	0.037163	-0.011299	0.037163	-0.011299
527	0.036587	-0.013918	0.036587	-0.013918
528	0.035387	-0.015131	0.035387	-0.015131
529	0.044257	-0.008137	0.044257	-0.008137
530	0.043771	-0.010760	0.043771	-0.010760
531	0.043291	-0.014847	0.043291	-0.014847
532	0.040357	-0.011200	0.040357	-0.011200
533	0.040307	-0.013565	0.040307	-0.013565
534	0.040198	-0.015886	0.040198	-0.015886
535	0.040026	-0.018204	0.040026	-0.018204
536	0.039811	-0.020526	0.039811	-0.020526
537	0.039481	-0.008343	0.039481	-0.008343
538	0.039067	-0.011220	0.039067	-0.011220
539	0.038437	-0.013644	0.038437	-0.013644
540	0.037973	-0.015639	0.037973	-0.015639
541	0.037698	-0.017701	0.037698	-0.017701
542	0.047206	-0.010873	0.047206	-0.010873
543	0.047105	-0.012985	0.047105	-0.012985
544	0.042382	-0.011614	0.042382	-0.011614
545	0.042342	-0.013863	0.042342	-0.013863
546	0.042229	-0.016047	0.042229	-0.016047
547	0.042041	-0.018256	0.042041	-0.018256
548	0.041816	-0.020524	0.041816	-0.020524
549	0.041486	-0.008309	0.041486	-0.008309
550	0.041118	-0.011158	0.041118	-0.011158
551	0.040757	-0.013683	0.040757	-0.013683
552	0.040552	-0.016056	0.040552	-0.016056
553	0.040516	-0.018061	0.040516	-0.018061
554	0.040492	-0.020397	0.040492	-0.020397
555	0.045028	-0.012233	0.045028	-0.012233
556	0.045017	-0.014252	0.045017	-0.014252
557	0.044910	-0.016205	0.044910	-0.016205
558	0.044746	-0.018265	0.044746	-0.018265
559	0.044558	-0.020478	0.044558	-0.020478
560	0.044335	-0.008307	0.044335	-0.008307
561	0.044151	-0.011241	0.044151	-0.011241
562	0.044007	-0.013941	0.044007	-0.013941
563	0.043967	-0.016545	0.043967	-0.016545
564	0.043967	-0.018411	0.043967	-0.018411
565	0.047377	-0.013002	0.047377	-0.013002
566	0.047443	-0.014631	0.047443	-0.014631
567	0.047393	-0.016260	0.047393	-0.016260
568	0.047330	-0.018265	0.047330	-0.018265
569	0.047361	-0.020427	0.047361	-0.020427
570	0.047400	-0.008438	0.047400	-0.008438
571	0.047363	-0.011458	0.047363	-0.011458
572	0.047296	-0.014278	0.047296	-0.014278

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL)

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
573	0.047222	-0.016938	0.047222	-0.016938
574	0.048628	-0.013625	0.048628	-0.013625
575	0.048745	-0.014922	0.048745	-0.014922
576	0.048895	-0.016203	0.048895	-0.016203
577	0.049015	-0.016610	0.049015	-0.016610
578	0.049047	-0.017015	0.049047	-0.017015
579	0.049722	-0.008600	0.049722	-0.008600
580	0.049699	-0.011640	0.049699	-0.011640
581	0.049613	-0.014507	0.049613	-0.014507
582	0.049563	-0.015907	0.049563	-0.015907
583	0.049479	-0.014201	0.049479	-0.014201
584	0.049530	-0.015176	0.049530	-0.015176
585	0.049466	-0.016116	0.049466	-0.016116
586	0.049422	-0.016623	0.049422	-0.016623
587	0.049402	-0.016966	0.049402	-0.016966
588	0.052215	-0.008781	0.052215	-0.008781
589	0.052135	-0.011801	0.052135	-0.011801
590	0.051987	-0.014835	0.051987	-0.014835
591	0.050064	-0.014652	0.050064	-0.014652
592	0.050034	-0.015340	0.050034	-0.015340
593	0.049914	-0.016079	0.049914	-0.016079
594	0.049787	-0.016615	0.049787	-0.016615
595	0.049772	-0.016806	0.049772	-0.016806
596	0.055217	-0.008975	0.055217	-0.008975
597	0.054929	-0.011906	0.054929	-0.011906
598	0.054862	-0.013437	0.054862	-0.013437
599	0.050510	-0.014863	0.050510	-0.014863
600	0.050448	-0.015445	0.050448	-0.015445
601	0.050294	-0.016050	0.050294	-0.016050
602	0.049967	-0.016517	0.049967	-0.016517
603	0.049333	-0.016552	0.049333	-0.016552
604	0.057929	-0.008888	0.057929	-0.008888
605	0.057676	-0.011800	0.057676	-0.011800
606	0.050831	-0.014757	0.050831	-0.014757
607	0.050739	-0.015475	0.050739	-0.015475
608	0.050585	-0.016038	0.050585	-0.016038
609	0.050311	-0.016383	0.050311	-0.016383
610	0.050146	-0.017271	0.050146	-0.017271
611	0.059307	-0.008895	0.059307	-0.008895
612	0.059250	-0.010731	0.059250	-0.010731
613	0.051458	-0.014533	0.051458	-0.014533
614	0.051353	-0.015523	0.051353	-0.015523
615	0.051263	-0.016048	0.051263	-0.016048
616	0.051214	-0.016543	0.051214	-0.016543
617	0.051260	-0.017537	0.051260	-0.017537
618	0.051326	-0.018553	0.051326	-0.018553
619	0.051863	-0.014392	0.051863	-0.014392
620	0.051771	-0.015555	0.051771	-0.015555
621	0.051731	-0.016108	0.051731	-0.016108
622	0.051732	-0.016653	0.051732	-0.016653
623	0.051815	-0.017678	0.051815	-0.017678
624	0.051838	-0.018053	0.051838	-0.018053

JOINT ANALYSIS

STEP 1 CASE-3

SUB STEP 1

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL)

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
625	0.052736	-0.014410	0.052736	-0.014410
626	0.052697	-0.015641	0.052697	-0.015641
627	0.052699	-0.016253	0.052699	-0.016253
628	0.052729	-0.016872	0.052729	-0.016872
629	0.052774	-0.017666	0.052774	-0.017666
630	0.053652	-0.014446	0.053652	-0.014446
631	0.053639	-0.015727	0.053639	-0.015727
632	0.053646	-0.016381	0.053646	-0.016381
633	0.053664	-0.017027	0.053664	-0.017027
634	0.053690	-0.017541	0.053690	-0.017541
635	0.054572	-0.014490	0.054572	-0.014490
636	0.054575	-0.015795	0.054575	-0.015795
637	0.054581	-0.016472	0.054581	-0.016472
638	0.054596	-0.017146	0.054596	-0.017146
639	0.054611	-0.017510	0.054611	-0.017510
640	0.055484	-0.014527	0.055484	-0.014527
641	0.055494	-0.015839	0.055494	-0.015839
642	0.055500	-0.016527	0.055500	-0.016527
643	0.055511	-0.017220	0.055511	-0.017220
644	0.055517	-0.017528	0.055517	-0.017528
645	0.056347	-0.014542	0.056347	-0.014542
646	0.056352	-0.015854	0.056352	-0.015854
647	0.056356	-0.016547	0.056356	-0.016547
648	0.056363	-0.017244	0.056363	-0.017244
649	0.056366	-0.017550	0.056366	-0.017550
650	0.028987	-0.014964	0.028987	-0.014964
651	0.032434	-0.014423	0.032434	-0.014423
652	0.034547	-0.014349	0.034547	-0.014349
653	0.012592	-0.014410	0.012592	-0.014410
654	0.016477	-0.015376	0.016477	-0.015376
655	0.019961	-0.016246	0.019961	-0.016246
656	0.021686	-0.016523	0.021686	-0.016523
657	0.024594	-0.016639	0.024594	-0.016639
1250	0.004768	-0.008623	0.004768	-0.008623
1290	0.005774	-0.007624	0.005774	-0.007624
1322	0.006934	-0.006882	0.006934	-0.006882
1354	0.008288	-0.006269	0.008288	-0.006269
1386	0.009793	-0.005750	0.009793	-0.005750
1413	0.013256	-0.005086	0.013256	-0.005086
1429	0.017043	-0.004599	0.017043	-0.004599
1444	0.021228	-0.004383	0.021228	-0.004383
1459	0.023348	-0.004371	0.023348	-0.004371
1473	0.025989	-0.004451	0.025989	-0.004451
1487	0.029198	-0.004668	0.029198	-0.004668
1500	0.032236	-0.004951	0.032236	-0.004951
1512	0.035087	-0.005200	0.035087	-0.005200
1524	0.037804	-0.005332	0.037804	-0.005332
1536	0.039811	-0.005350	0.039811	-0.005350
1548	0.041813	-0.005314	0.041813	-0.005314
1559	0.044559	-0.005235	0.044559	-0.005235
1569	0.047371	-0.005166	0.047371	-0.005166
1578	0.049695	-0.005164	0.049695	-0.005164

STEP 1 CASE-3 SUB STEP 1

GRID POINT DISPLACEMENT (INCREMENT AND TOTAL)

GRID	X(INCREMENT)	Y(INCREMENT)	X(TOTAL)	Y(TOTAL)
1587	0.052170	-0.005277	0.052170	-0.005277
1595	0.055116	-0.005665	0.055116	-0.005665
1603	0.058689	-0.006531	0.058689	-0.006531
1610	0.059376	-0.007469	0.059376	-0.007469
1618	0.061233	-0.009064	0.061233	-0.009064
1258	0.004817	-0.008498	0.004817	-0.008498
1298	0.005709	-0.007557	0.005709	-0.007557
1330	0.006758	-0.006843	0.006758	-0.006843
1362	0.008003	-0.006250	0.008003	-0.006250
1394	0.009407	-0.005746	0.009407	-0.005746
1417	0.012706	-0.005122	0.012706	-0.005122
1433	0.016348	-0.004624	0.016348	-0.004624
1448	0.020471	-0.004287	0.020471	-0.004287
1463	0.022622	-0.004143	0.022622	-0.004143
1477	0.025402	-0.003979	0.025402	-0.003979
1491	0.029097	-0.003829	0.029097	-0.003829
1504	0.033644	-0.003856	0.033644	-0.003856
1516	0.038647	-0.004356	0.038647	-0.004356
1528	0.044929	-0.005955	0.044929	-0.005955
1541	0.047428	-0.008369	0.047428	-0.008369
1554	0.050293	-0.010993	0.050293	-0.010993
1266	0.004719	-0.008478	0.004719	-0.008478
1306	0.005597	-0.007472	0.005597	-0.007472
1338	0.006632	-0.006676	0.006632	-0.006676
1370	0.007883	-0.005967	0.007883	-0.005967
1402	0.009317	-0.005281	0.009317	-0.005281
1421	0.013141	-0.004206	0.013141	-0.004206
1437	0.018877	-0.003238	0.018877	-0.003238
1452	0.027315	-0.003342	0.027315	-0.003342
1467	0.033143	-0.004275	0.033143	-0.004275
1482	0.037339	-0.007783	0.037339	-0.007783
2577	0.049064	-0.018319	0.049064	-0.018319
2578	0.049098	-0.020401	0.049098	-0.020401
2504	0.032358	-0.018215	0.032358	-0.018215
2651	0.032361	-0.014897	0.032361	-0.014897
2437	0.016346	-0.017773	0.016346	-0.017773
2654	0.016225	-0.015373	0.016225	-0.015373

JOINT ANALYSIS

STEP 1 CASE-3 応力 −は圧縮応力を示す PAGE 68

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL) t/m² SUB STEP 1

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
1	-34.3363	-89.1991	-37.0606	1.5761	-34.2911	-89.2443	1.6442	0.0000
2	-33.8098	-87.6557	-36.4396	4.4005	-33.4526	-88.0129	4.6414	0.0000
3	-33.1824	-85.2864	-35.5406	6.5493	-32.3718	-86.0970	7.0557	0.0000
4	-32.5760	-82.5657	-34.5425	8.1439	-31.2827	-83.8590	9.0234	0.0000
5	-32.0361	-80.4791	-33.7546	9.0632	-30.3959	-82.1192	10.2574	0.0000
6	-31.5608	-79.2391	-33.2400	9.6084	-29.6973	-81.1026	10.9760	0.0000
7	-30.8512	-77.6869	-32.5614	10.3294	-28.6743	-79.8638	11.9009	0.0000
8	-29.8698	-75.1527	-31.5068	11.4247	-27.1507	-77.8719	13.3876	0.0000
9	-28.8004	-70.1412	-29.6825	12.8108	-25.1524	-73.7892	15.8946	0.0000
10	-27.8865	-63.4438	-27.3991	13.4578	-23.3673	-67.9629	18.5622	0.0000
11	-27.2585	-56.9411	-25.2599	12.8371	-22.4770	-61.7226	20.4292	0.0000
12	-26.0707	-49.9184	-22.7967	10.7397	-21.9472	-54.0420	21.0046	0.0000
13	-24.3888	-43.4615	-20.3551	7.1707	-21.9937	-45.8567	18.4704	0.0000
14	-22.9848	-39.5880	-18.7718	2.5395	-22.6051	-39.9677	8.5044	0.0000
15	-29.4682	-91.6991	-36.3502	1.2942	-29.4413	-91.7260	1.1909	0.0000
16	-28.8558	-90.2357	-35.7275	3.8435	-28.6161	-90.4754	3.5692	0.0000
17	-28.3596	-87.6425	-34.8007	6.1545	-27.7274	-88.2747	5.8649	0.0000
18	-28.4190	-84.1936	-33.7838	7.8838	-27.3261	-85.2866	7.8929	0.0000
19	-28.6782	-81.5098	-33.0564	8.4173	-27.3696	-82.8184	8.8371	0.0000
20	-28.6998	-80.2667	-32.6900	8.4781	-27.3417	-81.6248	9.1009	0.0000
21	-28.3282	-79.3935	-32.3165	8.6962	-26.8879	-80.8338	9.4042	0.0000
22	-27.5300	-77.9440	-31.6422	10.0129	-25.6142	-79.8599	10.8321	0.0000
23	-27.9222	-72.6283	-30.1652	13.1436	-24.3443	-76.2062	15.2278	0.0000
24	-30.4050	-63.5301	-28.1806	14.9379	-24.6638	-69.2713	21.0237	0.0000
25	-31.9967	-54.0484	-25.8135	13.4206	-25.6536	-60.3916	25.2974	0.0000
26	-32.2155	-45.6310	-23.3540	9.9309	-26.9393	-50.9073	27.9816	0.0000
27	-30.9862	-39.1344	-21.0362	5.6774	-28.0724	-42.0482	27.1684	0.0000
28	-29.5172	-35.7207	-19.5714	1.7931	-29.0362	-36.2017	15.0161	0.0000
29	-27.3568	-93.2077	-36.1693	0.9655	-27.3426	-93.2219	0.8398	0.0000
30	-26.2992	-92.1206	-35.5259	3.1543	-26.1484	-92.2714	2.7373	0.0000
31	-25.1254	-89.7611	-34.4659	5.8196	-24.6056	-90.2809	5.1041	0.0000
32	-24.9437	-85.4978	-33.1324	8.5331	-23.7642	-86.6772	7.8699	0.0000
33	-26.2472	-81.5643	-32.3435	9.4488	-24.6778	-83.1338	9.4307	0.0000
34	-27.1869	-79.7569	-32.0831	8.8105	-25.7496	-81.1942	9.2653	0.0000
35	-27.6679	-79.6879	-32.2067	8.1365	-26.4249	-80.9308	8.6854	0.0000
36	-27.6671	-79.4049	-32.1216	8.2272	-26.3903	-80.6817	8.8212	0.0000
37	-27.3776	-80.3196	-32.3091	7.7252	-26.2734	-81.4238	8.1346	0.0000
38	-27.5264	-81.7523	-32.7836	9.5076	-25.9077	-83.3710	9.6621	0.0000
39	-27.1374	-80.2166	-32.2062	8.2511	-25.8843	-81.4696	8.6351	0.0000
40	-26.6990	-80.4070	-32.1318	11.0204	-24.5256	-82.5803	11.1562	0.0000
41	-26.6882	-80.4024	-32.1272	13.9692	-23.2725	-83.8181	13.7402	0.0000
42	-29.1515	-78.7346	-32.3658	15.4366	-24.7384	-83.1477	15.9544	0.0000
43	-31.1692	-69.5847	-30.2262	18.9461	-23.3975	-77.3564	22.3035	0.0000
44	-34.2238	-62.5944	-29.0455	18.7038	-24.9345	-71.8837	26.4114	0.0000
45	-36.6653	-49.9862	-25.9955	14.7941	-27.1015	-59.5500	32.8811	0.0000
46	-35.4858	-41.1623	-22.9944	8.9614	-28.9239	-47.7242	36.2131	0.0000
47	-32.9620	-35.9796	-20.6825	4.1076	-30.0948	-38.8467	34.9153	0.0000
48	-30.9298	-33.6788	-19.3826	1.0874	-30.5516	-34.0569	19.1741	0.0000
49	-26.7768	-94.0115	-36.2365	0.6090	-26.7713	-94.0170	0.5189	0.0000
50	-25.3403	-93.4570	-35.6392	2.1558	-25.2722	-93.5251	1.8109	0.0000
51	-22.9483	-91.8838	-34.4496	4.7053	-22.6287	-92.2035	3.8868	0.0000
52	-20.8892	-87.8207	-32.6130	8.6833	-19.7810	-88.9289	7.2728	0.0000

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
53	-21.0456	-81.5607	-30.7819	12.1755	-18.6878	-83.9185	10.9598	0.0000
54	-24.2089	-77.8375	-30.6139	11.0212	-22.0323	-80.0141	11.1718	0.0000
55	-25.4533	-77.4584	-30.8735	9.2624	-23.8529	-79.0588	9.8032	0.0000
56	-25.7047	-78.9337	-31.3915	8.4954	-24.3817	-80.2567	8.8516	0.0000
57	-26.6694	-81.0796	-32.3247	8.9589	-25.2323	-82.5168	9.1136	0.0000
58	-27.9391	-83.2810	-33.3660	9.6085	-26.3183	-84.9018	9.5746	0.0000
59	-29.1829	-85.4405	-34.3870	10.4611	-27.3006	-87.3228	10.2000	0.0000
60	-30.6785	-87.3253	-35.4011	12.1494	-28.1827	-89.8211	11.6085	0.0000
61	-31.6331	-88.5810	-36.0642	14.8891	-27.9753	-92.2388	13.8026	0.0000
62	-32.4136	-86.3112	-35.6174	19.7258	-25.9656	-92.7592	18.1015	0.0000
63	-36.6005	-76.6724	-33.9818	24.3385	-25.1118	-88.1611	25.2691	0.0000
64	-42.3125	-59.2651	-30.4733	22.8211	-26.4444	-75.1332	34.8119	0.0000
65	-40.5327	-43.5928	-25.2377	13.6239	-28.3532	-55.7723	41.7961	0.0000
66	-36.1685	-37.0036	-21.9516	6.5488	-30.0240	-43.1481	43.1759	0.0000
67	-32.1011	-33.9095	-19.8032	2.3243	-30.5113	-35.4993	34.3716	0.0000
68	-29.9306	-32.8230	-18.8261	0.4912	-29.8495	-32.9042	9.3801	0.0000
69	-26.8210	-94.4069	-36.3684	0.3095	-26.8196	-94.4083	0.2624	0.0000
70	-25.3101	-94.2150	-35.8575	1.1344	-25.2915	-94.2337	0.9430	0.0000
71	-22.1863	-93.7235	-34.7729	2.8229	-22.0751	-93.8347	2.2562	0.0000
72	-17.0450	-90.5502	-32.2786	7.2796	-16.3310	-91.2642	5.6018	0.0000
73	-14.9170	-85.8921	-30.2427	13.4431	-12.4562	-88.3529	10.3736	0.0000
74	-8.2217	-77.6544	-25.7628	17.6249	-4.0040	-81.8721	13.4580	0.0000
75	-11.9790	-79.2647	-27.3731	17.3180	-7.7833	-83.4604	13.6188	0.0000
76	-18.7745	-71.9667	-27.2224	14.3180	-15.1654	-75.5759	14.1478	0.0000
77	-20.4452	-74.9708	-28.6248	10.9590	-18.3251	-77.0910	10.9495	0.0000
78	-15.7125	-76.6615	-27.7122	9.0019	-14.4108	-77.9633	8.2283	0.0000
79	-14.5187	-76.1499	-27.2006	9.3997	-13.1170	-77.5516	8.4817	0.0000
80	-21.0607	-80.8976	-30.5875	11.6719	-18.8646	-83.0938	10.6560	0.0000
81	-23.4393	-83.8423	-32.1845	13.6592	-20.4941	-86.7875	12.1679	0.0000
82	-23.5192	-83.6327	-32.1456	15.6516	-19.6882	-87.4637	13.7538	0.0000
83	-26.9244	-85.0921	-33.6049	16.3501	-22.6437	-89.3728	14.6717	0.0000
84	-29.3587	-85.2158	-34.3723	15.3325	-25.4268	-89.1477	14.3831	0.0000
85	-32.4033	-87.1833	-35.8760	15.5830	-28.2808	-91.3058	14.8184	0.0000
86	-36.6021	-89.2843	-37.7659	15.3710	-32.4453	-93.4411	15.1326	0.0000
87	-37.4942	-89.6666	-38.1482	15.9839	-32.9866	-94.1741	15.7486	0.0000
88	-36.6747	-91.1773	-38.3556	16.3076	-32.1680	-95.6840	15.4485	0.0000
89	-39.5013	-94.4904	-40.1975	17.3586	-34.4801	-99.5116	16.1331	0.0000
90	-47.0983	-98.1862	-43.5854	16.5898	-42.1839	-103.1007	16.5011	0.0000
91	-44.6818	-97.1506	-42.5497	20.0547	-37.8945	-103.9379	18.6979	0.0000
92	-41.2954	-98.1890	-41.8453	25.0050	-31.8678	-107.6166	20.6579	0.0000
93	-46.6807	-85.4835	-39.6493	32.8593	-27.9226	-104.2416	29.7204	0.0000
94	-58.5451	-68.2583	-38.0410	37.4936	-25.5949	-101.2085	41.3097	0.0000
95	-60.8345	-69.2395	-39.0222	32.4227	-32.3431	-97.7309	41.3074	0.0000
96	-49.0025	-46.8862	-28.7666	21.5529	-26.3655	-69.5232	46.4054	0.0000
97	-41.9730	-38.1358	-24.0326	9.4767	-30.3854	-49.7233	50.7226	0.0000
98	-34.3662	-33.8155	-20.4545	3.3620	-30.7176	-37.4641	47.3410	0.0000
99	-30.0685	-32.8408	-18.8728	0.8539	-29.8267	-33.0827	15.8165	0.0000
100	-28.3814	-32.5219	-18.2710	0.1104	-28.3785	-32.5248	1.5258	0.0000
101	-27.0820	-94.5112	-36.4780	0.1496	-27.0816	-94.5115	0.1271	0.0000
102	-25.7323	-94.4469	-36.0538	0.5616	-25.7277	-94.4515	0.4682	0.0000
103	-22.6324	-94.4459	-35.1235	1.4262	-22.6041	-94.4742	1.1373	0.0000
104	-15.5910	-93.0402	-32.5893	4.6191	-15.3165	-93.3147	3.4011	0.0000

JOINT ANALYSIS

STEP 1 CASE-3 PAGE 70

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL) SUB STEP 1

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
105	-7.2982	-90.3303	-29.2886	9.5472	-6.2146	-91.4139	6.4754	0.0000
106	-4.6392	-87.3581	-27.5992	14.0525	-2.3171	-89.6801	9.3830	0.0000
107	0.6031	-73.8099	-21.9621	22.5983	6.9282	-80.1351	15.6367	0.0000
108	-7.7131	-61.6600	-20.8119	20.5991	-0.7471	-68.6260	18.6841	0.0000
109	-11.5826	-63.2561	-22.4516	7.2350	-10.5887	-64.2499	7.8219	0.0000
110	-6.9801	-78.1818	-25.5486	3.6823	-6.7902	-78.3718	2.9527	0.0000
111	-5.0322	-92.4580	-29.2470	12.9430	-3.1563	-94.3339	8.2468	0.0000
112	-8.2855	-93.2429	-30.4585	24.9805	-1.4847	-100.0437	15.2293	0.0000
113	-21.5215	-86.7539	-32.4826	27.9452	-11.1871	-97.0883	20.2948	0.0000
114	-27.4338	-84.2897	-33.5170	21.9954	-19.9181	-91.8054	18.8650	0.0000
115	-24.4982	-87.7870	-33.6856	22.0728	-17.5605	-94.7247	17.4484	0.0000
116	-28.1921	-86.6766	-34.4606	28.8374	-16.3648	-98.5038	22.3003	0.0000
117	-40.2610	-81.5456	-36.5420	26.9989	-26.9173	-94.8893	26.3000	0.0000
118	-41.3740	-84.6255	-37.7998	16.9973	-35.4937	-90.5058	19.0832	0.0000
119	-37.4328	-96.6973	-40.2390	17.7640	-32.5161	-101.6140	15.4709	0.0000
120	-41.1485	-97.3464	-41.5485	29.2293	-28.7024	-109.7925	23.0647	0.0000
121	-55.5981	-89.3223	-43.4761	29.5871	-38.4055	-106.5149	30.1603	0.0000
122	-57.1655	-91.4138	-44.5738	17.6074	-49.7284	-98.8510	22.8986	0.0000
123	-55.9501	-110.8848	-50.0505	17.0496	-51.0888	-115.7462	15.9144	0.0000
124	-58.2016	-116.2794	-52.3443	33.9768	-42.5451	-131.9359	24.7402	0.0000
125	-69.1161	-96.2287	-49.6034	46.3474	-34.3831	-130.9617	36.8481	0.0000
126	-72.0006	-68.8025	-42.2409	40.3696	-30.0002	-110.8028	46.1342	0.0000
127	-62.7569	-47.6562	-33.1239	24.8574	-29.2277	-81.1854	53.4480	0.0000
128	-52.2512	-37.8019	-27.0159	13.0364	-30.1221	-59.9310	59.4974	0.0000
129	-39.5993	-34.2037	-22.1409	5.2754	-30.9763	-42.8267	58.5424	0.0000
130	-31.5002	-32.7618	-19.2786	1.3703	-30.6225	-33.6395	32.6414	0.0000
131	-28.1670	-32.5627	-18.2189	0.2521	-28.1526	-32.5771	3.2720	0.0000
132	-27.1981	-32.5088	-17.9121	-0.0232	-27.1980	-32.5089	-0.2508	0.0000
133	-27.3972	-94.5425	-36.5819	0.0376	-27.3972	-94.5425	0.0321	0.0000
134	-26.2520	-94.4906	-36.2228	0.1707	-26.2515	-94.4911	0.1433	0.0000
135	-23.6177	-94.7499	-35.5103	0.3546	-23.6159	-94.7517	0.2856	0.0000
136	-16.0391	-94.1649	-33.0612	1.5689	-16.0076	-94.1964	1.1500	0.0000
137	-5.0798	-92.6637	-29.3231	4.4540	-4.8539	-92.8896	2.9038	0.0000
138	2.8185	-91.2904	-26.5416	9.1903	3.7076	-92.1795	5.5257	0.0000
139	10.1399	-86.9656	-23.0477	18.2230	13.4470	-90.2727	10.2862	0.0000
140	28.3392	-73.0496	-13.4131	28.0984	35.6054	-80.3158	14.4991	0.0000
141	31.1347	-71.8515	-12.2150	35.5801	42.2314	-82.9481	17.3216	0.0000
142	10.4409	-39.5908	-8.7450	33.3072	27.0803	-56.2303	26.5456	0.0000
143	-0.0754	-33.3079	-10.0150	10.0249	2.7145	-36.0978	15.5516	0.0000
144	1.1821	-55.0329	-16.1552	-7.3656	2.1312	-55.9819	-7.3422	0.0000
145	2.4020	-54.5101	-15.6324	-16.7979	6.9901	-59.0982	-15.2769	0.0000
146	0.8431	-87.8777	-26.1104	-5.9954	1.2464	-88.2811	-3.8485	0.0000
147	3.2504	-128.6326	-37.6147	6.1315	3.5348	-128.9171	2.6561	0.0000
148	14.1552	-146.0073	-39.5556	11.2663	14.9438	-146.7959	4.0041	0.0000
149	24.4746	-141.5847	-35.1330	45.6475	36.1952	-153.3053	14.4004	0.0000
150	-4.6744	-127.1673	-39.5525	59.8242	19.6949	-151.5366	22.1635	0.0000
151	-25.5486	-65.3807	-27.2788	61.0970	18.7964	-109.7257	35.9727	0.0000
152	-53.0016	-51.8275	-31.4487	44.7512	-7.6595	-97.1695	45.3758	0.0000
153	-39.7247	-46.1374	-25.7586	14.8664	-27.7228	-58.1393	38.9145	0.0000
154	-27.9374	-66.0237	-28.1883	14.1311	-23.2671	-70.6941	18.2887	0.0000
155	-24.7980	-104.4876	-38.7857	13.3808	-22.6112	-106.6744	9.2816	0.0000
156	-14.8529	-124.7065	-41.8678	13.3596	-13.2516	-126.3078	6.8352	0.0000

JOINT ANALYSIS

STEP 1 CASE-3

ISOPARAMETRIC (PLANE STRAIN) ELEMENT (TOTAL)

SUB STEP 1

ELEMENT	SIGMA-X	SIGMA-Y	SIGMA-Z	TAU-XY	SIGMA-1	SIGMA-2	THETA	SAFTY FACTOR
157	-2.3451	-119.3460	-36.5073	41.2437	10.7321	-132.4231	17.5922	0.0000
158	-26.4582	-109.4158	-40.7622	56.1347	1.8598	-137.7338	26.7694	0.0000
159	-44.3926	-52.8678	-29.1781	53.0022	4.5411	-101.8015	42.7144	0.0000
160	-65.4203	-47.6502	-33.9211	32.3879	-22.9507	-90.1198	52.6703	0.0000
161	-53.0177	-42.3348	-28.6057	4.3477	-40.7890	-54.5634	70.4281	0.0000
162	-45.2488	-70.3491	-34.6794	5.4758	-44.1062	-71.4917	11.7862	0.0000
163	-40.2747	-115.3963	-46.7013	7.0051	-39.6271	-116.0439	5.2822	0.0000
164	-33.5318	-142.0277	-52.6678	7.0537	-33.0751	-142.4844	3.7042	0.0000
165	-19.8234	-136.1527	-46.7928	38.5089	-8.2309	-147.7452	16.7536	0.0000
166	-41.6975	-127.4142	-50.7335	59.0646	-11.5801	-157.5316	27.0173	0.0000
167	-62.7442	-60.9912	-37.1206	58.5238	-3.3373	-120.3981	45.4290	0.0000
168	-82.9426	-54.6397	-41.2747	35.9299	-30.1748	-107.4074	55.7488	0.0000
169	-69.1492	-48.7282	-35.3632	8.3963	-45.7193	-72.1581	70.2844	0.0000
170	-65.6792	-77.5348	-42.9642	10.7351	-59.3440	-83.8700	30.5465	0.0000
171	-65.5647	-122.7016	-56.4799	14.6723	-62.0173	-126.2490	13.5921	0.0000
172	-74.9229	-146.0170	-66.2820	17.5608	-70.8218	-150.1181	13.1450	0.0000
173	-84.9685	-137.1784	-66.6441	46.7636	-57.5169	-164.6300	30.4142	0.0000
174	-96.8754	-96.5749	-58.0351	56.8329	-39.8920	-153.5582	45.0757	0.0000
175	-88.8558	-51.9150	-42.2313	33.4241	-32.1974	-108.5735	59.4627	0.0000
176	-69.0431	-37.5806	-31.9871	14.4099	-31.9783	-74.6454	68.7551	0.0000
177	-49.5545	-32.0454	-24.4800	4.9776	-30.7293	-50.8706	75.1894	0.0000
178	-49.7786	-36.1227	-25.7704	6.7619	-33.3411	-52.5602	67.6393	0.0000
179	-34.1566	-31.9914	-19.8444	1.1879	-31.4668	-34.6812	66.1714	0.0000
180	-28.3340	-32.6020	-18.2808	0.3194	-28.3102	-32.6258	4.2563	0.0000
181	-26.3488	-32.4655	-17.6443	-0.0419	-26.3485	-32.4658	-0.3923	0.0000
182	-26.1968	-32.5518	-17.6246	-0.0404	-26.1966	-32.5521	-0.3639	0.0000
183	-8.7976	-96.1216	-31.4757	0.9617	-8.7870	-96.1322	0.6309	0.0000
184	3.7086	-92.7366	-26.7084	4.5009	3.9182	-92.9462	2.6662	0.0000
185	16.5545	-93.1768	-22.9867	8.4907	17.2076	-93.8299	4.3985	0.0000
186	25.8675	-91.3331	-19.6397	14.1613	27.5543	-93.0199	6.7928	0.0000
187	52.0958	-67.8131	-4.7152	38.4209	63.3502	-79.0675	16.3266	0.0000
188	44.0311	-17.5135	7.9553	54.4846	75.8328	-49.3152	30.2714	0.0000
189	26.0614	10.3138	10.9126	20.3463	40.0043	-3.6291	34.4220	0.0000
190	21.7151	-16.4395	1.5827	-0.4783	21.7211	-16.4455	-0.7181	0.0000
191	9.0418	-62.8214	-16.1339	-7.1447	9.7452	-63.5249	-5.6231	0.0000
192	0.5180	-106.4646	-31.7840	-6.8655	0.9568	-106.9034	-3.6569	0.0000
193	-0.5958	-141.5021	-42.6294	-2.7637	-0.5416	-141.5563	-1.1232	0.0000
194	-11.4605	-180.3250	-57.5356	10.3109	-10.8332	-180.9522	3.4813	0.0000
195	-21.4989	-229.9789	-75.4433	35.0536	-15.7628	-235.7150	9.2933	0.0000
196	15.5882	-160.6917	-43.5310	123.4752	79.1545	-224.2580	27.2399	0.0000
197	-52.7929	-32.8051	-25.6794	117.1985	74.8248	-160.4228	47.4370	0.0000
198	-15.3417	28.1026	3.8283	31.6045	44.7301	-31.9692	62.2506	0.0000
199	-24.4032	-25.7992	-15.0607	9.8426	-15.2339	-34.9685	42.9719	0.0000
200	-30.2748	-66.2731	-28.9644	1.5038	-30.2121	-66.3358	2.3880	0.0000
201	-25.4340	-102.8208	-38.4764	1.3572	-25.4102	-102.8446	1.0045	0.0000
202	-30.3881	-142.7037	-51.9275	8.7555	-29.7097	-143.3821	4.4308	0.0000
203	-38.5612	-193.8301	-69.7174	28.6055	-33.4588	-198.9324	10.1135	0.0000
204	-3.5703	-134.9500	-41.5561	106.7168	56.0539	-194.5743	29.1927	0.0000
205	-63.4544	-21.7505	-25.5615	97.4420	57.0456	-142.2506	51.0394	0.0000
206	-29.8668	24.8098	-1.5171	21.6472	22.3425	-37.3995	70.8134	0.0000
207	-40.8674	-32.4569	-21.9973	3.0782	-31.4507	-41.8736	71.8983	0.0000
208	-46.9532	-74.2915	-36.3734	-2.8661	-46.6560	-74.5888	-5.9209	0.0000