

<計算機出力データ>

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**
**   GCC   00   SSS   M   M   00   SSS   /   M   M   **
**   C     0 0   S     MM  MM  0 0   S     /   MM  MM  **
**   C     0 0   SS    M MM M  0 0   SS    /   M MM M  **
**   C     0 0     S    M   M   0 0     S    /   M   M   **
**   GCC   00   SSS   M   M   00   SSS   /   M   M   **
**
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**
**           VERSION: 2.7
**           DISTRIBUTED BY:
**   STRUCTURAL RESEARCH AND ANALYSIS CORPORATION
**           12121 WILSHIRE BLVD. SUITE 700
**           LOS ANGELES, CALIFORNIA 90025
**           TEL. NO. (310) 207-2800
**           COPYRIGHT 1988-2001 S. R. A. C.
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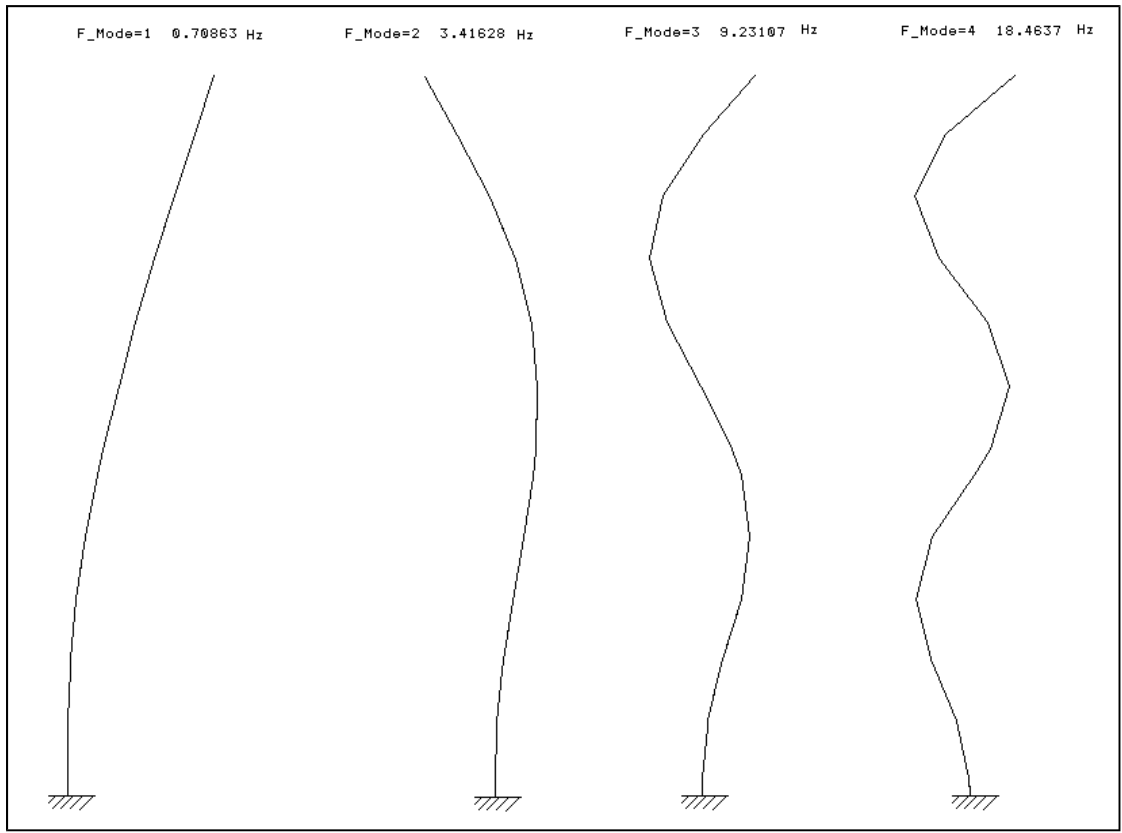
Problem name: TOWER SAMPLE
Date       : 07/03/2002   Time: 11:27:54
Title      :
Subtitle   :

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F R E Q U E N C Y   A N A L Y S I S

FREQUENCY NUMBER	FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SECONDS)
1	0.4452454E+01	0.7086300E+00	0.1411174E+01
2	0.2146513E+02	0.3416281E+01	0.2927159E+00
3	0.5800055E+02	0.9231074E+01	0.1083298E+00
4	0.1160108E+03	0.1846369E+02	0.5416035E-01



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R E S P O N S E   S P E C T R A   D A T A

PARAMETER DEFINING FREQUENCY UNITS FOR CURVES. . . = 0  
 EQ. 0 RADIAN/SECOND  
 EQ. 1 HERTZ (CYCLES/SECOND)  
 NUMBER OF BASE SPECTRA CURVES . . . . . = 1  
 MAXIMUM NO. OF POINTS DEFINING ANY CURVE . . . . . = 28  
 MODE COMBINATION METHOD . . . . . = 0  
 EQ. 0 SRSS  
 EQ. 1 CQC  
 EQ. 2 NRL

B A S E   S P E C T R A   C U R V E   N O.   1  
 (UNIFORM BASE EXITATION)

TYPE OF BASE CURVE . . . . . = ACCELERATION  
 CURVE MULTIPLIER FOR X-TRANSLATION . . . . . =0.1500E+03  
 CURVE MULTIPLIER FOR Y-TRANSLATION . . . . . =0.0000E+00  
 CURVE MULTIPLIER FOR Z-TRANSLATION . . . . . =0.0000E+00

BASE CURVE NUMBER   1

NUMBER OF POINTS . . . . . (NPTS) = 28

FREQUENCY   FUNCTION VALUE:

FRQ	SDC	FRQ	SDC	FRQ	SDC	FRQ	SDC
0.105000E+01	0.954200E+00	0.175000E+01	0.954200E+00	0.209000E+01	0.114504E+01	0.251000E+01	0.137405E+01
0.269000E+01	0.146800E+01	0.286000E+01	0.156195E+01	0.314000E+01	0.171756E+01	0.331000E+01	0.180858E+01
0.349000E+01	0.190840E+01	0.370000E+01	0.201997E+01	0.393000E+01	0.214768E+01	0.419000E+01	0.229008E+01
0.449000E+01	0.245303E+01	0.483000E+01	0.264240E+01	0.524000E+01	0.286260E+01	0.571000E+01	0.312244E+01
0.628000E+01	0.343512E+01	0.698000E+01	0.381680E+01	0.157100E+02	0.381680E+01	0.209400E+02	0.334410E+01
0.314200E+02	0.277599E+01	0.628300E+02	0.201850E+01	0.698100E+02	0.192308E+01	0.785400E+02	0.182179E+01
0.897600E+02	0.171316E+01	0.104720E+03	0.159572E+01	0.125660E+03	0.146800E+01	0.157080E+03	0.146800E+01

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## R. M. S. DISPLACEMENTS/VELOCITIES/ACCELERATIONS

NODE	DISP. (cm)	VEL. (cm/s)	ACC. (gal)
1	29.99	135.10	760.5
2	26.04	116.44	569.1
3	21.91	97.58	451.9
4	17.93	80.12	406.1
5	14.10	63.77	381.0
6	10.60	48.86	353.0
7	7.48	35.49	317.1
8	6.29	30.29	298.0
9	3.81	19.20	243.5
10	1.92	10.23	173.2
11	0.75	4.26	92.8
12	0.64	3.63	81.3
13	0.18	1.10	28.3
14	0.15	0.92	23.8
15	0.01	0.04	1.2
16	0.00	0.00	0.0

## R.M.S. FORCE AND MORMENT

SECTION	NODE	VERTICAL_FORCE (kgf)	SHEAR_FORCE (kgf)	MOMENT (kgf-cm)
1	1	0.0	1,676	2.837E-07
	2	0.0	1,676	4.744E+05
2	2	0.0	3,003	4.744E+05
	3	0.0	3,003	1.372E+06
3	3	0.0	3,817	1.372E+06
	4	0.0	3,817	2.506E+06
4	4	0.0	4,623	2.506E+06
	5	0.0	4,623	3.901E+06
5	5	0.0	5,418	3.901E+06
	6	0.0	5,418	5.499E+06
6	6	0.0	6,437	5.499E+06
	7	0.0	6,437	7.292E+06
7	7	0.0	7,016	7.292E+06
	8	0.0	7,016	8.104E+06
8	8	0.0	7,561	8.104E+06
	9	0.0	7,561	1.017E+07
9	9	0.0	8,017	1.017E+07
	10	0.0	8,017	1.238E+07
10	10	0.0	8,286	1.238E+07
	11	0.0	8,286	1.465E+07
11	11	0.0	8,344	1.465E+07
	12	0.0	8,344	1.501E+07
12	12	0.0	8,387	1.501E+07
	13	0.0	8,387	1.699E+07
13	13	0.0	8,404	1.699E+07
	14	0.0	8,404	1.723E+07
14	14	0.0	8,414	1.723E+07
	15	0.0	8,414	1.925E+07
15	15	0.0	8,414	1.925E+07
	16	0.0	8,414	1.990E+07