

< 計算機出力データ >

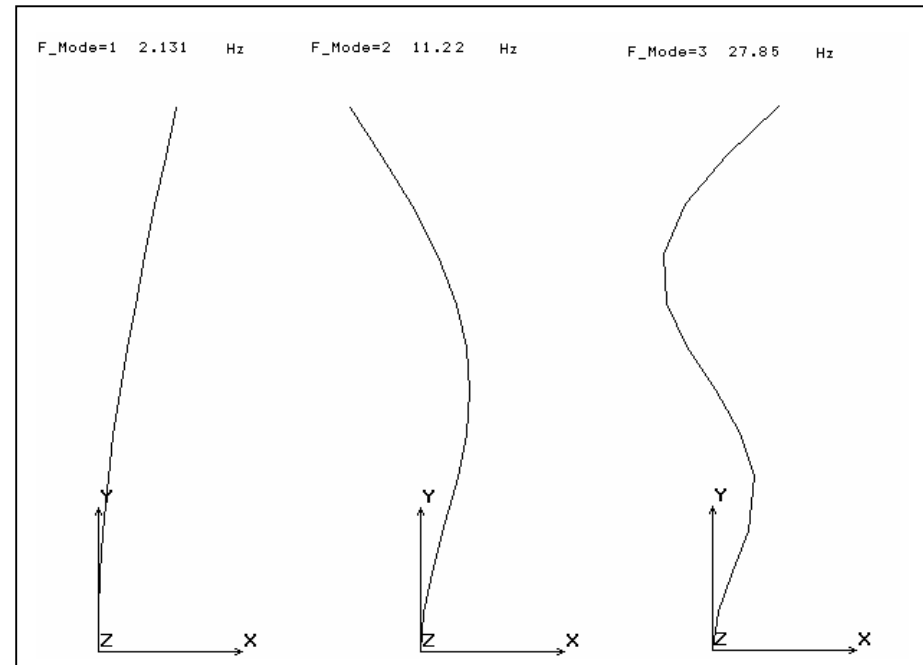
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** CCCC 0000 SSSS M M 0000 SSSS / M M **
** C 0 0 S MM MM 0 0 S / MM MM **
** C 0 0 SSSS M M M M 0 0 SSSS / M M M M **
** C 0 0 S M M M 0 0 S / M M M **
** CCCC 0000 SSSS M M 0000 SSSS / M M **
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**          VERSION: 1.75A
**          DISTRIBUTED BY:
**          STRUCTURAL RESEARCH AND ANALYSIS CORPORATION
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Problem name: NH3-02  
 Date : 08/22/2006 Time: 13:50:23  
 Title :  
 Subtitle :

FREQUENCY NUMBER	FREQUENCY (RAD/SEC)	FREQUENCY (CYCLES/SEC)	PERIOD (SECONDS)
1	.1339230E+02	.2131451E+01	.4691639E+00
2	.7047037E+02	.1121571E+02	.8916067E-01
3	.1749950E+03	.2785132E+02	.3590494E-01



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 . . . . . = .1440E+03  
 CURVE MULTIPLIER FOR Y -TRANSLATION . . . . . = .0000E+00  
 CURVE MULTIPLIER FOR Z -TRANSLATION . . . . . = .0000E+00  
 ( MULTIPLIERS CSYS: 0 )

BASE CURVE NUMBER 1  
 NUMBER OF POINTS . . . . . (NPTS) = 30  
 FREQUENCY FUNCTION VALUE:

FRQ	SDC	FRQ	SDC	FRQ	SDC	FRQ	SDC
.105000E+01	.750000E+00	.209000E+01	.750000E+00	.233000E+01	.750000E+00	.262000E+01	.826000E+00
.286000E+01	.901000E+00	.314000E+01	.991000E+00	.349000E+01	.110100E+01	.393000E+01	.123900E+01
.449000E+01	.141600E+01	.524000E+01	.165200E+01	.628000E+01	.198200E+01	.698000E+01	.220300E+01
.785000E+01	.247800E+01	.898000E+01	.283200E+01	.104700E+02	.330400E+01	.251300E+02	.330400E+01
.261800E+02	.321900E+01	.285600E+02	.304500E+01	.314200E+02	.286500E+01	.349100E+02	.267800E+01
.392700E+02	.248400E+01	.448800E+02	.228000E+01	.523600E+02	.206600E+01	.628300E+02	.183900E+01
.698100E+02	.171900E+01	.785400E+02	.159400E+01	.897600E+02	.146400E+01	.104720E+03	.132600E+01
.125660E+03	.118000E+01	.209440E+03	.118000E+01				

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 \* MODAL PARTICIPATION \*  
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BASE SPECTRUM NO. 1 - DIRECTION : 1

MODE NO.	PERIOD (sec)	PARTICIPATION FACTOR	EFFECTIVE MASS
1	.46916	2.9027	8.4257
2	.89161E -01	-1.9845	3.9381
3	.35905E -01	-1.1012	1.2125
TOTAL EFFECTIVE MASS =			13.576

R . M . S .   D I S P L A C E M E N T S / V E L O C I T I E S / A C C E L E R A T I O N S

NODE	DISP. (cm)	VEL. (cm/s)	ACC. (cm/s <sup>2</sup> )
1	4.32	57.96	817.52
2	3.74	50.18	684.88
3	3.17	42.49	570.78
4	2.61	35.01	477.54
5	2.08	27.87	399.27
6	1.64	22.03	337.62
7	1.23	16.63	280.83
8	0.87	11.81	227.77
9	0.56	7.7	175.17
10	0.27	3.75	104.42
11	0.1	1.37	43.58
12	0.01	0.13	4.54
13	0	0	0

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 \* R . M . S . S T R E S S E S ( ELEMENT GROUP 1 ) \*  
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ELEMENT NUMBER	FORCES ( kg )		MOMENTS ( kg -cm )		STRESSES ( kg/cm <sup>2</sup> )	
	NODE1	NODE2	NODE1	NODE2	NODE1	NODE2
1	Fr= .0000E+00	.0000E+00	Tr= .0000E+00	.0000E+00	(P/A) = .0000E+00	.0000E+00
	Vs= .0000E+00	.0000E+00	Ms= .1118E-06	.1047E+06	(Ms/Ss)= .1556E-10	.1457E+02
	Vt= .5896E+03	.5896E+03	Mt= .0000E+00	.0000E+00	(Mt/St)= .0000E+00	.0000E+00
		(Tr*CTOR/Jp)= .0000E+00	.0000E+00		Smax = .1556E-10	.1457E+02
					Smin = .1556E-10	.1457E+02
2	Fr= .0000E+00	.0000E+00	Tr= .0000E+00	.0000E+00	(P/A) = .0000E+00	.0000E+00
	Vs= .0000E+00	.0000E+00	Ms= .1047E+06	.3444E+06	(Ms/Ss)= .1457E+02	.4794E+02
	Vt= .1352E+04	.1352E+04	Mt= .0000E+00	.0000E+00	(Mt/St)= .0000E+00	.0000E+00
		(Tr*CTOR/Jp)= .0000E+00	.0000E+00		Smax = .1457E+02	.4794E+02
					Smin = .1457E+02	.4794E+02
3	Fr= .0000E+00	.0000E+00	Tr= .0000E+00	.0000E+00	(P/A) = .0000E+00	.0000E+00
	Vs= .0000E+00	.0000E+00	Ms= .3444E+06	.6939E+06	(Ms/Ss)= .4794E+02	.9660E+02
	Vt= .1974E+04	.1974E+04	Mt= .0000E+00	.0000E+00	(Mt/St)= .0000E+00	.0000E+00
		(Tr*CTOR/Jp)= .0000E+00	.0000E+00		Smax = .4794E+02	.9660E+02
					Smin = .4794E+02	.9660E+02
4	Fr= .0000E+00	.0000E+00	Tr= .0000E+00	.0000E+00	(P/A) = .0000E+00	.0000E+00
	Vs= .0000E+00	.0000E+00	Ms= .6939E+06	.1132E+07	(Ms/Ss)= .9660E+02	.1576E+03
	Vt= .2481E+04	.2481E+04	Mt= .0000E+00	.0000E+00	(Mt/St)= .0000E+00	.0000E+00
		(Tr*CTOR/Jp)= .0000E+00	.0000E+00		Smax = .9660E+02	.1576E+03
					Smin = .9660E+02	.1576E+03
5	Fr= .0000E+00	.0000E+00	Tr= .0000E+00	.0000E+00	(P/A) = .0000E+00	.0000E+00
	Vs= .0000E+00	.0000E+00	Ms= .1132E+07	.1582E+07	(Ms/Ss)= .1313E+03	.1834E+03
	Vt= .2924E+04	.2924E+04	Mt= .0000E+00	.0000E+00	(Mt/St)= .0000E+00	.0000E+00
		(Tr*CTOR/Jp)= .0000E+00	.0000E+00		Smax = .1313E+03	.1834E+03
					Smin = .1313E+03	.1834E+03
6	Fr= .0000E+00	.0000E+00	Tr= .0000E+00	.0000E+00	(P/A) = .0000E+00	.0000E+00
	Vs= .0000E+00	.0000E+00	Ms= .1582E+07	.2077E+07	(Ms/Ss)= .1834E+03	.2407E+03

Vt=	.3226E+04	.3226E+04	Mt=	.0000E+00	.0000E+00	(Mt/St)=	.0000E+00	.0000E+00
			(Tr*CTOR/Jp)=	.0000E+00	.0000E+00	Smax	=	.1834E+03 .2407E+03
						Smin	=	.1834E+03 .2407E+03
7 Fr=	.0000E+00	.0000E+00	Tr=	.0000E+00	.0000E+00	(P/A)	=	.0000E+00 .0000E+00
Vs=	.0000E+00	.0000E+00	Ms=	.2077E+07	.2607E+07	(Ms/Ss)=	.2407E+03	.3022E+03
Vt=	.3458E+04	.3458E+04	Mt=	.0000E+00	.0000E+00	(Mt/St)=	.0000E+00	.0000E+00
			(Tr*CTOR/Jp)=	.0000E+00	.0000E+00	Smax	=	.2407E+03 .3022E+03
						Smin	=	.2407E+03 .3022E+03
8 Fr=	.0000E+00	.0000E+00	Tr=	.0000E+00	.0000E+00	(P/A)	=	.0000E+00 .0000E+00
Vs=	.0000E+00	.0000E+00	Ms=	.2607E+07	.3162E+07	(Ms/Ss)=	.3022E+03	.3665E+03
Vt=	.3627E+04	.3627E+04	Mt=	.0000E+00	.0000E+00	(Mt/St)=	.0000E+00	.0000E+00
			(Tr*CTOR/Jp)=	.0000E+00	.0000E+00	Smax	=	.3022E+03 .3665E+03
						Smin	=	.3022E+03 .3665E+03
9 Fr=	.0000E+00	.0000E+00	Tr=	.0000E+00	.0000E+00	(P/A)	=	.0000E+00 .0000E+00
Vs=	.0000E+00	.0000E+00	Ms=	.3162E+07	.3916E+07	(Ms/Ss)=	.3665E+03	.4539E+03
Vt=	.3946E+04	.3946E+04	Mt=	.0000E+00	.0000E+00	(Mt/St)=	.0000E+00	.0000E+00
			(Tr*CTOR/Jp)=	.0000E+00	.0000E+00	Smax	=	.3665E+03 .4539E+03
						Smin	=	.3665E+03 .4539E+03
10 Fr=	.0000E+00	.0000E+00	Tr=	.0000E+00	.0000E+00	(P/A)	=	.0000E+00 .0000E+00
Vs=	.0000E+00	.0000E+00	Ms=	.3916E+07	.4630E+07	(Ms/Ss)=	.3019E+03	.3570E+03
Vt=	.4115E+04	.4115E+04	Mt=	.0000E+00	.0000E+00	(Mt/St)=	.0000E+00	.0000E+00
			(Tr*CTOR/Jp)=	.0000E+00	.0000E+00	Smax	=	.3019E+03 .3570E+03
						Smin	=	.3019E+03 .3570E+03
11 Fr=	.0000E+00	.0000E+00	Tr=	.0000E+00	.0000E+00	(P/A)	=	.0000E+00 .0000E+00
Vs=	.0000E+00	.0000E+00	Ms=	.4630E+07	.5350E+07	(Ms/Ss)=	.3570E+03	.4125E+03
Vt=	.4128E+04	.4128E+04	Mt=	.0000E+00	.0000E+00	(Mt/St)=	.0000E+00	.0000E+00
			(Tr*CTOR/Jp)=	.0000E+00	.0000E+00	Smax	=	.3570E+03 .4125E+03
						Smin	=	.3570E+03 .4125E+03
12 Fr=	.0000E+00	.0000E+00	Tr=	.0000E+00	.0000E+00	(P/A)	=	.0000E+00 .0000E+00
Vs=	.0000E+00	.0000E+00	Ms=	.5350E+07	.5655E+07	(Ms/Ss)=	.4125E+03	.4360E+03
Vt=	.4129E+04	.4129E+04	Mt=	.0000E+00	.0000E+00	(Mt/St)=	.0000E+00	.0000E+00
			(Tr*CTOR/Jp)=	.0000E+00	.0000E+00	Smax	=	.4125E+03 .4360E+03
						Smin	=	.4125E+03 .4360E+03