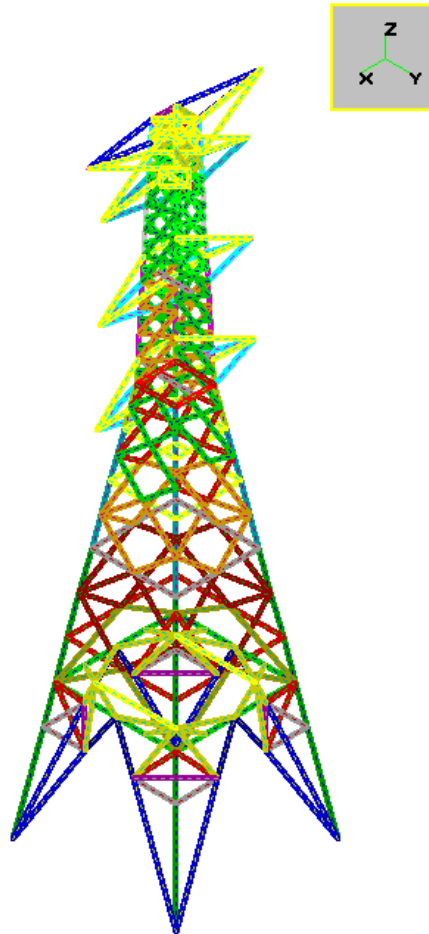


Comparison between Sargon (V8.42), NXNASTRAN and NEiNASTRAN - NORMAL MODES			
TEST 29	VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK	Marco Croci	17/03/2008



	Sargon (Leda)	NX NASTRAN		NE NASTRAN	
Model Name	tes29.WSR	tes29000.dat		tes29.NAS	
Output file	tes29.dou	tes29000.f06		tes29.OUT	
	Frequency [Hz]	Frequency [Hz]	% errNX	Frequency [Hz]	% errNE
Mode 1	1,476164	1,476159	0,000	1,4761490	0,001
Mode 2	1,948079	1,948078	0,000	1,9480640	0,001
Mode 3	1,956132	1,956132	0,000	1,9561130	0,001
Mode 4	1,965761	1,965744	0,001	1,9657390	0,001
Mode 5	2,176974	2,176871	0,005	2,1768589	0,005
Mode 6	2,304626	2,304626	0,000	2,3046041	0,001
Mode 7	2,327946	2,327946	0,000	2,3279760	-0,001
Mode 8	2,432819	2,432819	0,000	2,4327710	0,002
Mode 9	2,721833	2,721833	0,000	2,7218189	0,001
Mode 10	3,054289	3,054289	0,000	3,0542870	0,000

Model data

Degrees of freedom = 1104

Beam elements = 499

$\% \text{ errNX} = (\text{Sargon} - \text{NX}) / \text{NX} * 100;$ $\% \text{ errNE} = (\text{Sargon} - \text{NE}) / \text{NE} * 100$