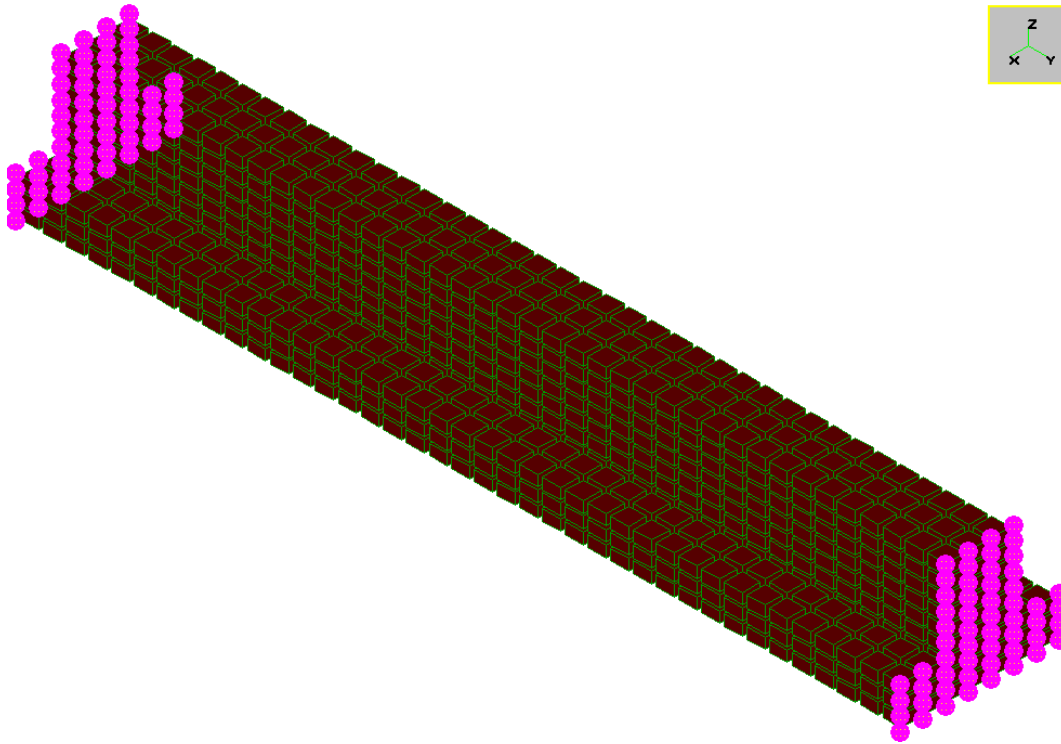


Comparison between Sargon (V8.42), NXNASTRAN and NEiNASTRAN - NORMAL MODES			
TEST 36	VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK	Marco Croci	09/04/2008



	Sargon (Leda)	NX NASTRAN		NE NASTRAN	
Model Name	tes36.WSR	tes36000.dat		tes36.NAS	
Output file	tes36.dou	tes36000.f06		tes36.OUT	
	Frequency [Hz]	Frequency [Hz]	% errNX	Frequency [Hz]	% errNE
Mode 1	162,8490	162,8456	0,002	162,8494	0,000
Mode 2	166,8527	166,8463	0,004	166,8532	0,000
Mode 3	267,0156	266,9845	0,012	267,0162	0,000
Mode 4	387,9009	387,8862	0,004	387,9019	0,000
Mode 5	400,3563	400,3315	0,006	400,3573	0,000
Mode 6	540,5126	540,4343	0,014	540,5140	0,000
Mode 7	660,9760	660,9309	0,007	660,9776	0,000
Mode 8	661,6475	661,6447	0,000	661,6491	0,000
Mode 9	685,1919	685,1201	0,010	685,1936	0,000
Mode 10	824,2800	824,1288	0,018	824,2820	0,000

Model data

Degrees of freedom = 2246

Solid elements = 1521

% errNX = (Sargon - NX) / NX * 100 ; % errNE = (Sargon - NE) / NE * 100