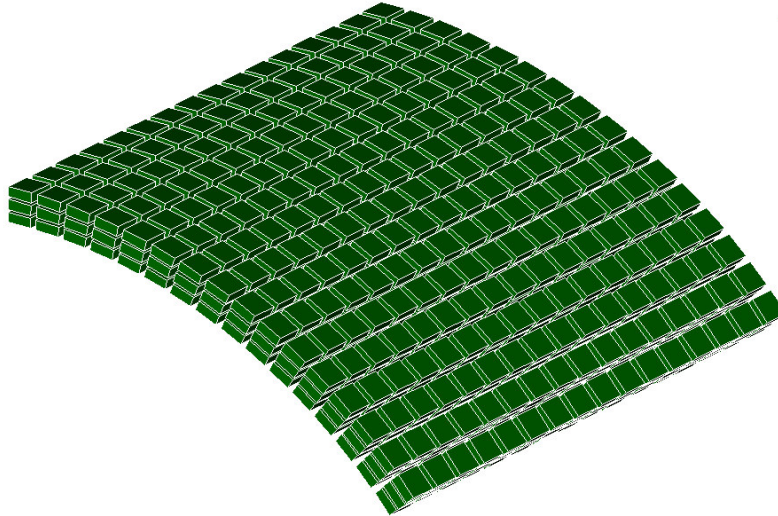


Comparison between Sargon (V8.50), NXNASTRAN and NEiNASTRAN - NORMAL MODES			
TEST 47	VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK	Marco Croci	15/04/2008



	Sargon (Leda)	NX NASTRAN		NE NASTRAN	
Model Name	tes47.WSR	tes47000.dat		tes47.NAS	
Output file	tes47.dou	tes47000.f06		tes47.OUT	
	Frequency [Hz]	Frequency [Hz]	% errNX	Frequency [Hz]	% errNE
Mode 1	36,54808	36,55593	-0,021	36,55810	-0,027
Mode 2	64,37492	64,37036	0,007	64,38491	-0,016
Mode 3	112,9711	112,9366	0,031	112,9775	-0,006
Mode 4	123,4344	123,4510	-0,013	123,4623	-0,023
Mode 5	139,6767	139,6415	0,025	139,7133	-0,026
Mode 6	169,9754	169,8805	0,056	169,9697	0,003
Mode 7	178,7624	178,5947	0,094	178,7954	-0,018
Mode 8	201,8778	201,8797	-0,001	201,8893	-0,006
Mode 9	209,8470	209,8349	0,006	209,8345	0,006
Mode 10	240,7520	240,3907	0,150	240,7745	-0,009

Model data

Degrees of freedom = 3128

Solid elements = 768

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