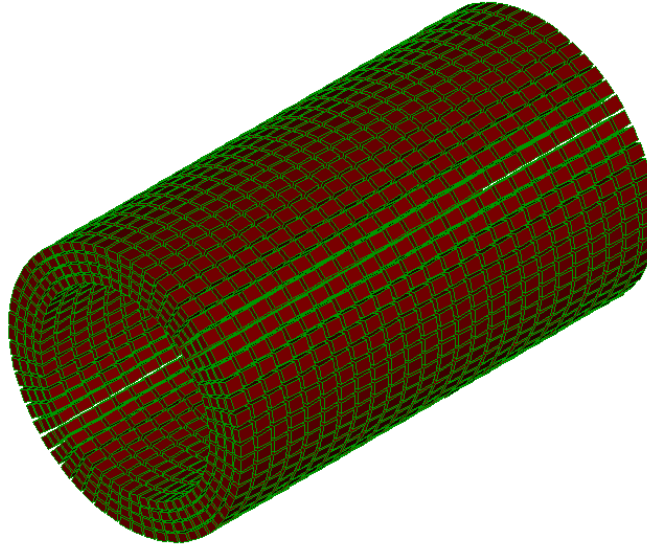


Comparison between Sargon (V9.01), NXNASTRAN and NEiNASTRAN - NORMAL MODES			
TEST 52	VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK	Marco Croci	27/11/2008



	Sargon (Leda)	NX NASTRAN		NE NASTRAN	
Model Name	tes52.WSR	tes52000.dat		tes52.NAS	
Output file	tes52.dou	tes52000.f06		tes52.OUT	
	Frequency [Hz]	Frequency [Hz]	% errNX	Frequency [Hz]	% errNE
Mode 1	500,478125	500,4628	0,003	500,4579	0,004
Mode 2	500,478125	500,4628	0,003	500,4580	0,004
Mode 3	1057,803987	1057,2080	0,056	1056,9139	0,084
Mode 4	1211,055734	1212,3600	-0,108	1212,5610	-0,124
Mode 5	1211,055734	1212,3600	-0,108	1212,5630	-0,124
Mode 6	1653,402451	1653,1890	0,013	1653,0900	0,019
Mode 7	1653,402454	1653,1890	0,013	1653,0900	0,019
Mode 8	1715,852528	1715,8820	-0,002	1715,9020	-0,003
Mode 9	1756,774654	1757,6280	-0,049	1757,9110	-0,065
Mode 10	1756,774659	1757,6280	-0,049	1757,9110	-0,065

Model data

Degrees of freedom = 21750

Solid elements = 5800

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

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