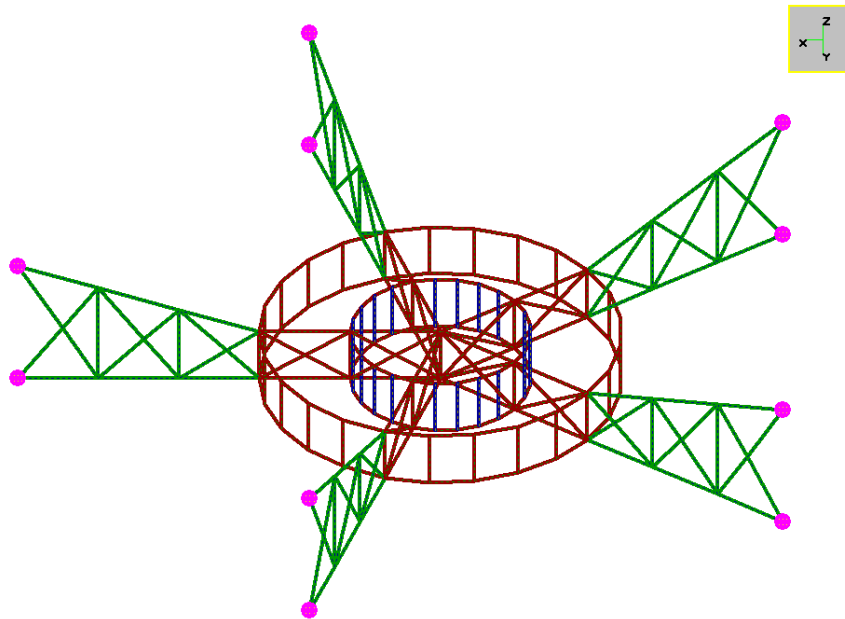


Comparison between Sargon (V8.42), NXNASTRAN and NEiNASTRAN - NORMAL MODES			
TEST 38	VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK	Marco Croci	10/04/2008



	Sargon (Leda)	NX NASTRAN		NE NASTRAN	
Model Name	tes38.WSR	tes38000.dat		tes38.NAS	
Output file	tes38.dou	tes38000.f06		tes38.OUT	
	Frequency [Hz]	Frequency [Hz]	% errNX	Frequency [Hz]	% errNE
Mode 1	9,193656	9,193655	0,000	9,193656	0,000
Mode 2	13,21887	13,21887	0,000	13,21887	0,000
Mode 3	17,94162	17,94161	0,000	17,94161	0,000
Mode 4	17,94162	17,94162	0,000	17,94162	0,000
Mode 5	43,55471	43,55469	0,000	43,55469	0,000
Mode 6	43,55471	43,55471	0,000	43,55471	0,000
Mode 7	49,68478	49,68479	0,000	49,68479	0,000
Mode 8	50,13655	50,13654	0,000	50,13654	0,000
Mode 9	50,13655	50,13657	0,000	50,13656	0,000
Mode 10	58,18008	58,18007	0,000	58,18007	0,000

Model data

Degrees of freedom = 882

Beam elements = 311

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