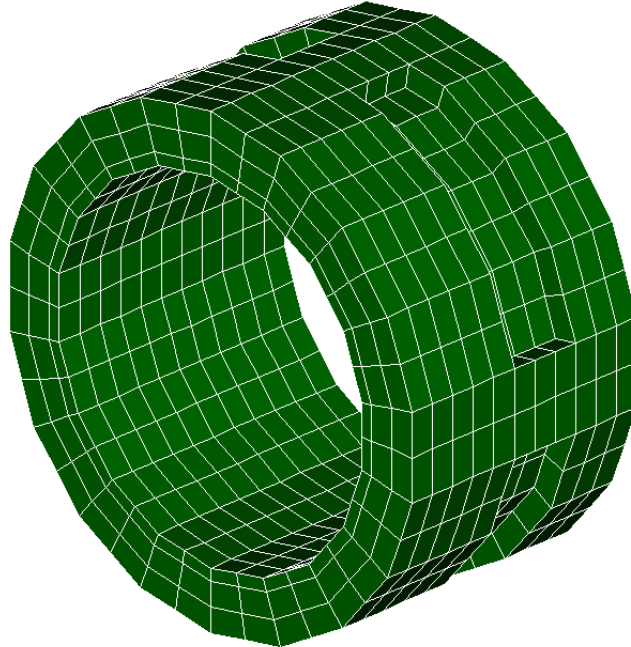


<b>Comparison between Sargon (V8.50), NXNASTRAN and NEiNASTRAN - NORMAL MODES</b>		
<b>TEST 48</b>	<b>VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK</b>	<b>Marco Croci 15/04/2008</b>



	<b>Sargon (Leda)</b>	<b>NX NASTRAN</b>		<b>NE NASTRAN</b>	
<b>Model Name</b>	tes48.WSR	tes48000.dat		tes48.NAS	
<b>Output file</b>	tes48.dou	tes48000.f06		tes48.OUT	
	<b>Frequency [Hz]</b>	<b>Frequency [Hz]</b>	<b>% errNX</b>	<b>Frequency [Hz]</b>	<b>% errNE</b>
<b>Mode 1</b>	772,5823	765,7846	0,888	771,6277	0,124
<b>Mode 2</b>	1114,605	1114,007	0,054	1115,301	-0,062
<b>Mode 3</b>	1325,131	1319,802	0,404	1324,884	0,019
<b>Mode 4</b>	1544,958	1542,455	0,162	1546,229	-0,082
<b>Mode 5</b>	1712,357	1703,807	0,502	1710,465	0,111
<b>Mode 6</b>	2440,189	2430,866	0,384	2440,203	-0,001
<b>Mode 7</b>	2552,251	2548,359	0,153	2551,394	0,034
<b>Mode 8</b>	2585,384	2584,746	0,025	2589,384	-0,154
<b>Mode 9</b>	3218,292	3217,232	0,033	3222,134	-0,119
<b>Mode 10</b>	3238,339	3217,997	0,632	3231,600	0,209

**Model data**

Degrees of freedom = 4968

Solid elements = 1104

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