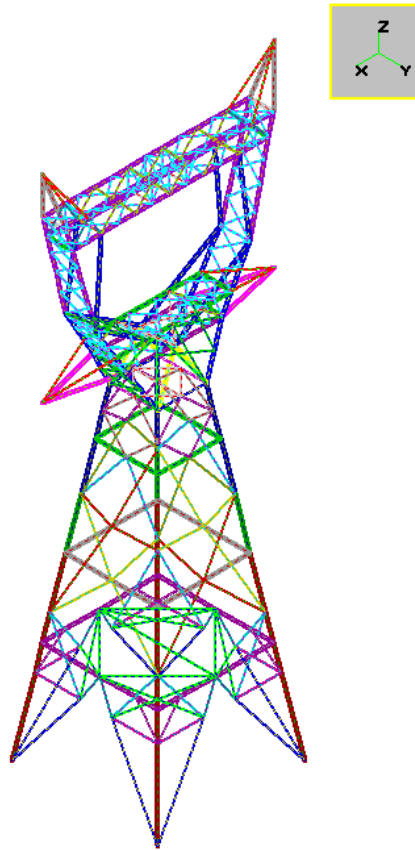


<b>Comparison between Sargon (V8.42), NXNASTRAN and NEiNASTRAN - NORMAL MODES</b>		
<b>TEST 30</b>	<b>VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK</b>	<b>Marco Croci   17/03/2008</b>



	<b>Sargon (Leda)</b>	<b>NX NASTRAN</b>		<b>NE NASTRAN</b>	
<b>Model Name</b>	tes30.WSR	tes30000.dat		tes30.NAS	
<b>Output file</b>	tes30.dou	tes30000.f06		tes30.OUT	
	<b>Frequency [Hz]</b>	<b>Frequency [Hz]</b>	<b>% errNX</b>	<b>Frequency [Hz]</b>	<b>% errNE</b>
<b>Mode 1</b>	1,341959	1,341960	0,000	1,3419570	0,000
<b>Mode 2</b>	1,906953	1,906953	0,000	1,9069541	0,000
<b>Mode 3</b>	2,044806	2,044806	0,000	2,0448010	0,000
<b>Mode 4</b>	2,453176	2,453176	0,000	2,4531729	0,000
<b>Mode 5</b>	2,467232	2,467231	0,000	2,4672239	0,000
<b>Mode 6</b>	3,148514	3,148513	0,000	3,1485159	0,000
<b>Mode 7</b>	3,298112	3,298111	0,000	3,2981169	0,000
<b>Mode 8</b>	3,467915	3,467914	0,000	3,4679151	0,000
<b>Mode 9</b>	3,655686	3,655685	0,000	3,6556730	0,000
<b>Mode 10</b>	4,447496	4,447495	0,000	4,4474840	0,000

**Model data**

Degrees of freedom = 1074

Beam elements = 226

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