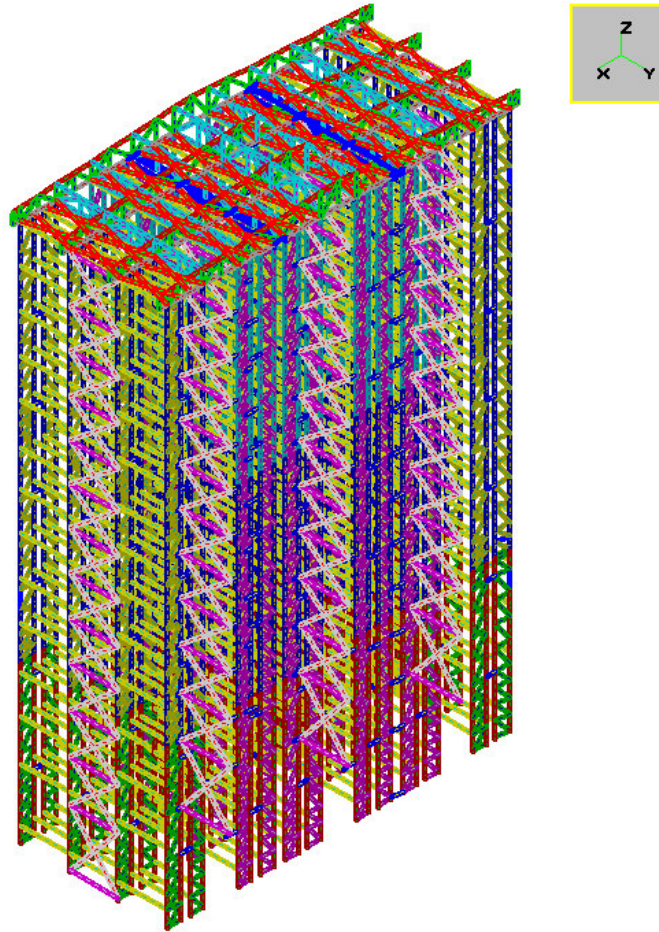


<b>Comparison between Sargon (V8.42), NXNASTRAN and NEiNASTRAN - NORMAL MODES</b>			
<b>TEST 27</b>	<b>VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK</b>	<b>Marco Croci</b>	<b>17/03/2008</b>



	<b>Sargon (Leda)</b>	<b>NX NASTRAN</b>		<b>NE NASTRAN</b>	
<b>Model Name</b>	tes27.WSR	tes27000.dat		tes27.NAS	
<b>Output file</b>	tes27.dou	tes27000.f06		tes27.OUT	
	<b>Frequency [Hz]</b>	<b>Frequency [Hz]</b>	<b>% errNX</b>	<b>Frequency [Hz]</b>	<b>% errNE</b>
<b>Mode 1</b>	1,759041	1,759042	0,000	1,7590420	0,000
<b>Mode 2</b>	1,881592	1,881592	0,000	1,8815920	0,000
<b>Mode 3</b>	1,915429	1,915428	0,000	1,9154280	0,000
<b>Mode 4</b>	2,232193	2,232192	0,000	2,2321920	0,000
<b>Mode 5</b>	2,290575	2,290575	0,000	2,2905750	0,000
<b>Mode 6</b>	2,402959	2,402959	0,000	2,4029591	0,000
<b>Mode 7</b>	2,597088	2,597089	0,000	2,5970891	0,000
<b>Mode 8</b>	2,945911	2,945909	0,000	2,9459090	0,000
<b>Mode 9</b>	3,388398	3,388397	0,000	3,3883970	0,000
<b>Mode 10</b>	3,587482	3,587481	0,000	3,5874820	0,000

**Model data**

Degrees of freedom = 29832

Beam elements = 9836

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