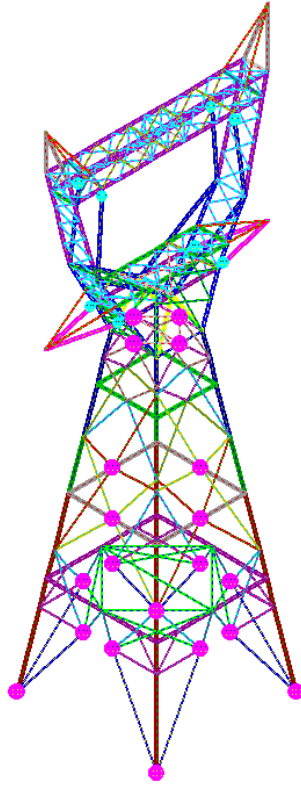


<b>Comparison between Sargon (V8.42), NXNASTRAN and NEiNASTRAN</b>					
<b>TEST 24</b>	<b>VALIDATION, CROSS CHECKS, RELIABILITY, BENCHMARK</b>			<b>Marco Croci</b>	<b>10/02/2008</b>



	<b>Sargon (Clever)</b>	<b>NXNASTRAN</b>	<b>% err</b>	<b>NEiNASTRAN</b>	<b>% err</b>
<b>Model Name</b>	tes24.WSR	tes24000.dat		tes24.NAS	
<b>Output file</b>	tes24.CEN	tes24000.f06		tes24.OUT	
Q1	6,173E+01	6,173E+01	0,01	6,173E+01	0,01
Q2	-7,304E+01	-7,304E+01	0,00	-7,304E+01	0,00
Q3	-4,832E+05	-4,832E+05	0,00	-4,832E+05	0,00
Q4	3,154E+03	3,155E+03	-0,04	3,156E+03	-0,07
Q5	-6,036E+03	-6,036E+03	0,00	-6,036E+03	0,00

#### Compared Values:

- Q1 = Load Set 1 - Node 98 - Dy
- Q2 = Load Set 2 - Node 54 - Dz
- Q3 = Load Set 3 - Element Beam 201 - Axial Force (End 1)
- Q4 = Load Set 4 - Element Beam 16 - Moment x (End 1)
- Q5 = Load Set 5 - Node 171 - Force Tx on Constraint

Translations: [mm] Forces: [N] Moments [Nmm]

% err is computed between Sargon and NX and between Sargon and NEi (see introduction).  
 NXNASTRAN and NEiNASTRAN values are rounded up to 4 significant digits; in some cases  
 sign of moment value is changed in order to use the same Sargon rule.