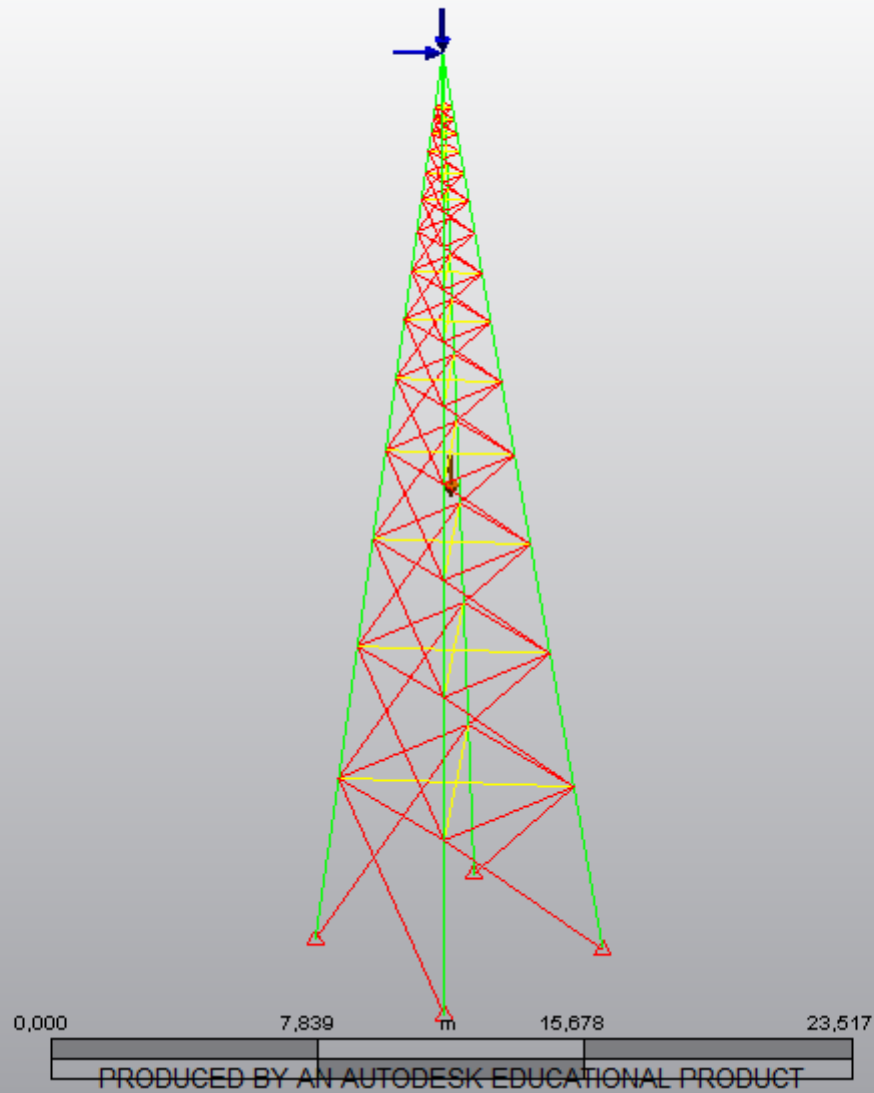


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Design Analysis Project Title Here

Created by

Author:

Department:

Created Date: 2012-10-09

Reviewed by

Reviewer:

Department:

Model Created 2012-10-09

Date:

Reviewer

Comments:

Executive Summary

This is where to put your Executive summary. So, replace this text with your overall Project Description.

Summary

Model Information

Analysis Type - Static Stress with Linear Material Models

Units - Custom - (kN, m, s, °C, K, V, ohm, A, J)

Model location - C:\Users\JPS\Documents\Algor\wieza.fem

Design scenario description - Design Scenario # 1

Analysis Parameters Information

Load Case Multipliers

Static Stress with Linear Material Models may have multiple load cases. This allows a model to be analyzed with multiple loads while solving the equations a single time. The following is a list of load case multipliers that were analyzed with this model.

Load Case	Pressure/Surface Forces	Gravity/Acceleration	Angular Velocity (Omega)	Angular Acceleration (Alpha)	Displacement	Thermal	Electrical
1	1	1	0	0	1	0	0

Gravity Information

The following lists the values used if acceleration or gravity was included in the analysis. The Acceleration/Gravity direction multiplier is multiplied by the Acceleration Due To Body Force which is then multiplied by the Acceleration/Gravity load case multiplier.

Acceleration Due To Body Force = 9 m/s^2

Acceleration/Gravity X Multiplier	Acceleration/Gravity Y Multiplier	Acceleration/Gravity Z Multiplier
0	0	-1

Multiphysics Information

Default Nodal Temperature	0 °C
Source of Initial Nodal Temperatures	Model file
Time step from Heat Transfer Analysis	Last
Default nodal voltage	0 V

Source of nodal voltages	Model file
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Processor Information

Type of Solver	Automatic
Disable Calculation and Output of Strains	No
Calculate Reaction Forces	Yes
Invoke Banded Solver	Yes
Avoid Bandwidth Minimization	No
Stop After Stiffness Calculations	No
Displacement Data in Output File	No
Stress Data in Output File	No
Equation Numbers Data in Output File	No
Element Input Data in Output File	No
Nodal Input Data in Output File	No
Centrifugal Load Data in Output File	No

Part Information

Part ID	Part Name	Element Type	Material Name
1	Kraw ezniki	Truss	AISI E 52100 Steel
2	Skratowanie	Truss	AISI E 52100 Steel
3	Stezenia	Truss	AISI E 52100 Steel

Element Information

Element Properties used for:

- Krawezniki
- Skratowanie
- Stezenia

Element Type	Truss
Cross-Sectional Area	0 m ²
Stress Free Reference Temperature	0 °C

Material Information

AISI E 52100 Steel -Truss

Material Model	Standard
Material Source	Autodesk Simulation Material Library
Material Source File	C:\Program Files\Autodesk\Simulation 2013\matlibs\algormat.mlb
Date Last Updated	2004/10/28-16:02:00
Material Description	None
Mass Density	7 kN·s ² /m/m ³
Modulus of Elasticity	210000000 kN/m ²

Thermal Coefficient of Expansion	0 1/°C
----------------------------------	--------

Loads

FEA Object Group 2: Nodal Forces

Nodal Force

ID	Description	Vertex Number	Node Number	Magnitude (kN)	Vx	Vy	Vz	Load Case / Load Curve
1	Unnamed	30	30	30,000000	0,000000	0,000000	-1,000000	1

FEA Object Group 3: Nodal Forces

Nodal Force

ID	Description	Vertex Number	Node Number	Magnitude (kN)	Vx	Vy	Vz	Load Case / Load Curve
2	Unnamed	30	30	10,000000	1,000000	1,000000	0,000000	1

Constraints

FEA Object Group 1: Nodal General Constraints

Nodal General Constraint

ID	Description	Vertex Number	Node Number	Tx	Ty	Tz	Rx	Ry	Rz
1	Unnamed	270	N/A	Yes	Yes	Yes	Yes	Yes	Yes
2	Unnamed	272	N/A	Yes	Yes	Yes	Yes	Yes	Yes
3	Unnamed	305	N/A	Yes	Yes	Yes	Yes	Yes	Yes

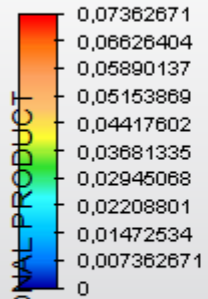
4	Unnamed	306	N/A	Yes	Yes	Yes	Yes	Yes	Yes
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Results Presentation Images

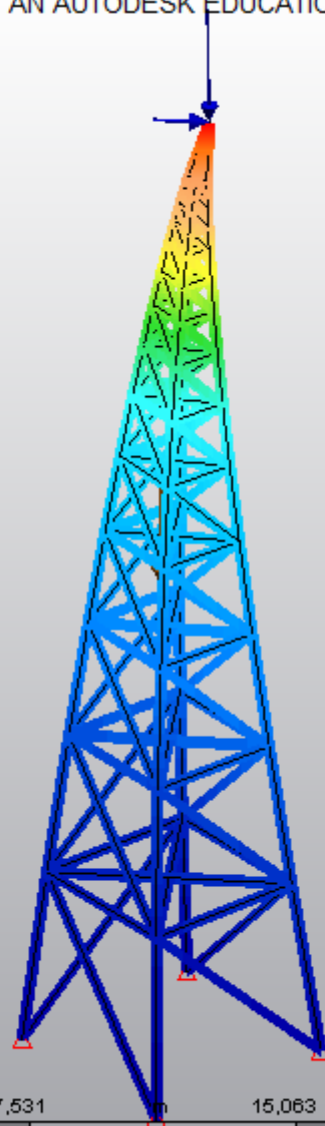
Displacement

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Displacement
Magnitude
m



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Load Case: 1 of 1

Maximum Value: 0,0736267 m

Minimum Value: 0 m



1 < Design Scenario 1 >

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