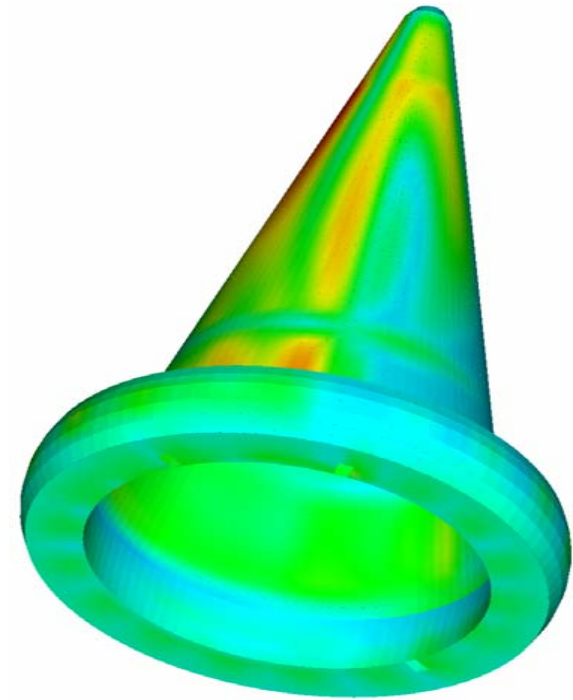


Civil Case Study (Theme Park Sorcerer's Hat)



NEi Nastran was used by a major themed entertainment company in Lake Buena Vista, Florida to analyze the new icon for their theme park, a giant Sorcerer's hat (left). The hat is constructed of composite fiberglass supported on a steel frame. The contour plot (right) shows the maximum ply normal stress due to wind loads, which are intensified due to its location relative to other structures in the park. Critical design changes were made to the steel framing as a result of buckling analysis performed using NEi Nastran. Buckling due to wind loads became a critical failure mode, which was overlooked in the initial design. The structure is over 350 feet tall and weighs over 156 tons.



NEi Software, Inc. is aggressively focused on commitment to the customer. Detailed documentation, customized on-site training, and comprehensive technical support ensures that you will see immediate return on your investment.

For more information about our company or our products, please contact:

Headquarters:

NEi Software, Inc.

5555 Garden Grove Blvd., Suite 300

Westminster, CA 92683-1886

USA

Phone: +1.714.899.1220

Fax: +1.714.899.1369

Email: info@neisoftware.com

Website: www.NEiSoftware.com

Europe:

NEi Software EMEA Office

The Old Barrel Store

Draymans Lane, Marlow

Buckinghamshire, SL7 2FF

United Kingdom

Phone: +44.0.1628.400.645

Fax: +44.0.1628.891.701

E-mail: emea@neisoftware.com

Website: www.NEiSoftware.com/emea

Asia:

NEi Software Asia Office

Shinjuku Park Tower

N30th Floor 3-7-1 Nishi-Shinjuku

Shinjuku-ku, Tokyo, 163-1030

Japan

Phone: +81.03.5326.3062

Fax: +81.03.5326.3001

E-mail: asia@neisoftware.com



NEi Nastran *for Windows*
From NEi Software, Inc.