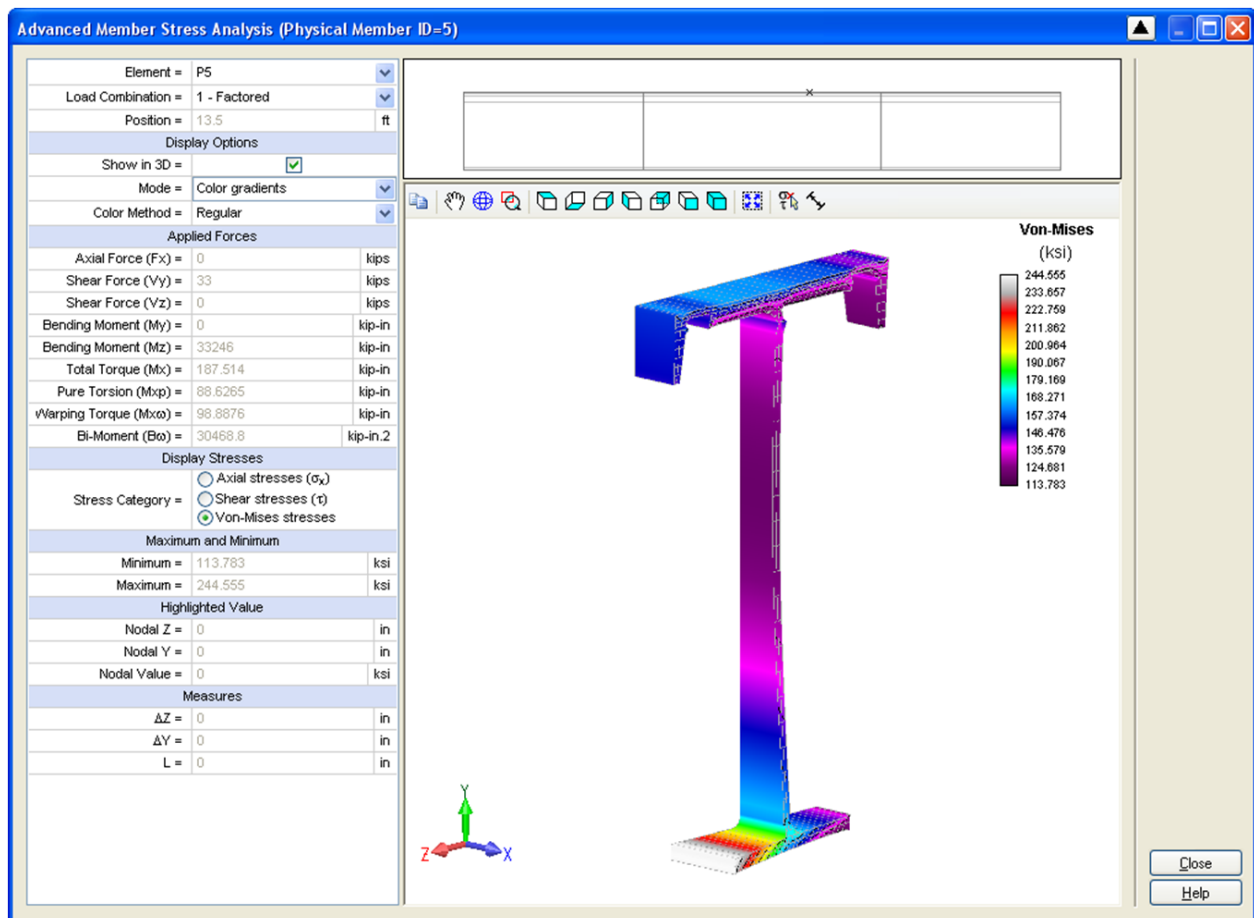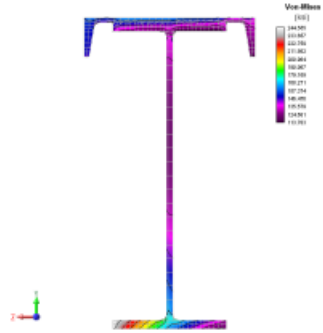# ADVANCED SECTION STRESS ANALYSIS BY FINITE ELEMENTS

Elastic stresses are calculated by the means of a finite element analysis of the cross section. Two commands are available in the **Analysis – Charts – Analysis** menu to display the results for the advanced stress analysis.
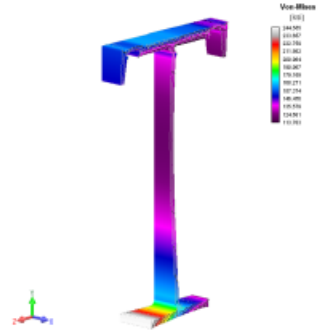
It is possible to obtain the stress distribution on the section at a specific point along a member using the **Advanced Section Stress Analysis** command from the **Analysis – Charts – Analysis** menu.
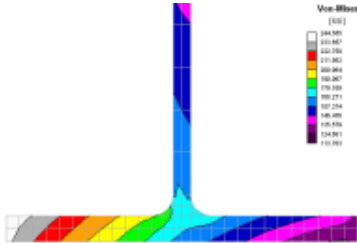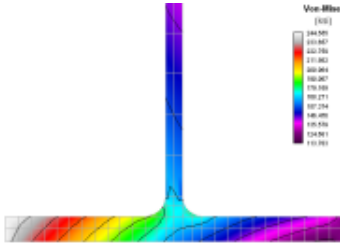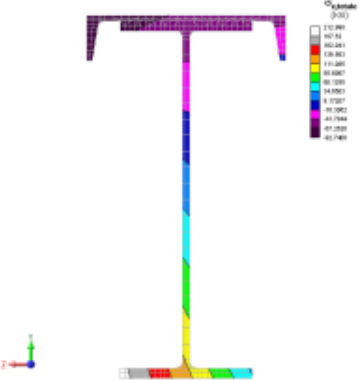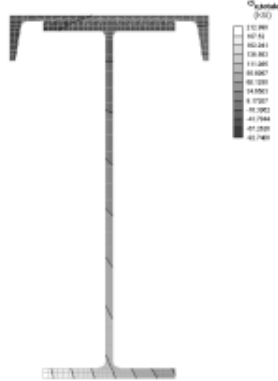
Various display options are available:

2D View
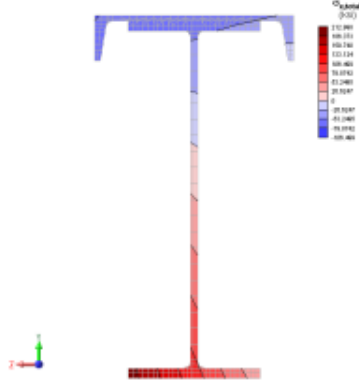

3D View

Color patches
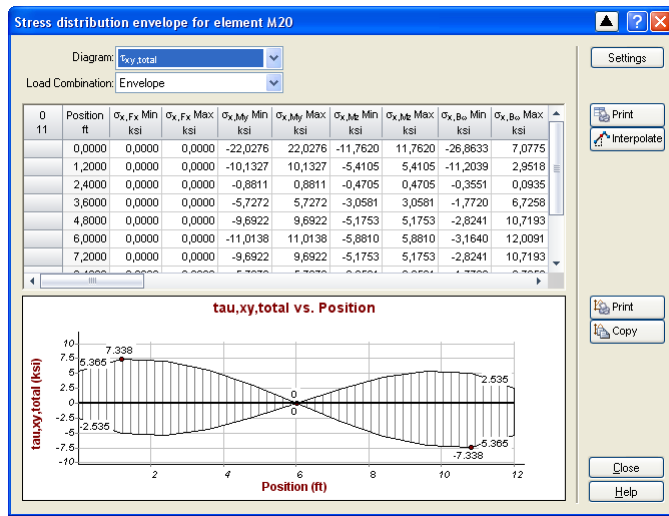
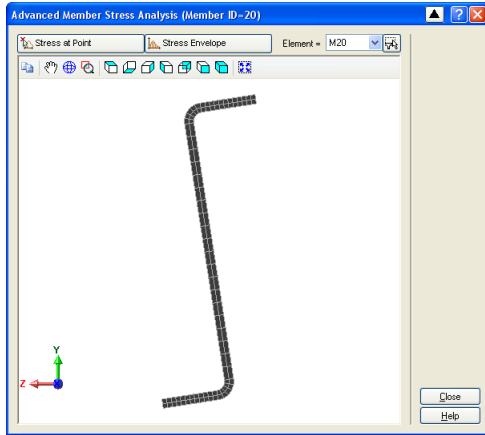

Color gradients

Standard

Shades of grey

Bi-color

It is possible to obtain the stress distribution along the member for a specific point on the cross section using the **Advanced Member Stress Analysis** command from the **Analysis – Charts – Analysis** menu.