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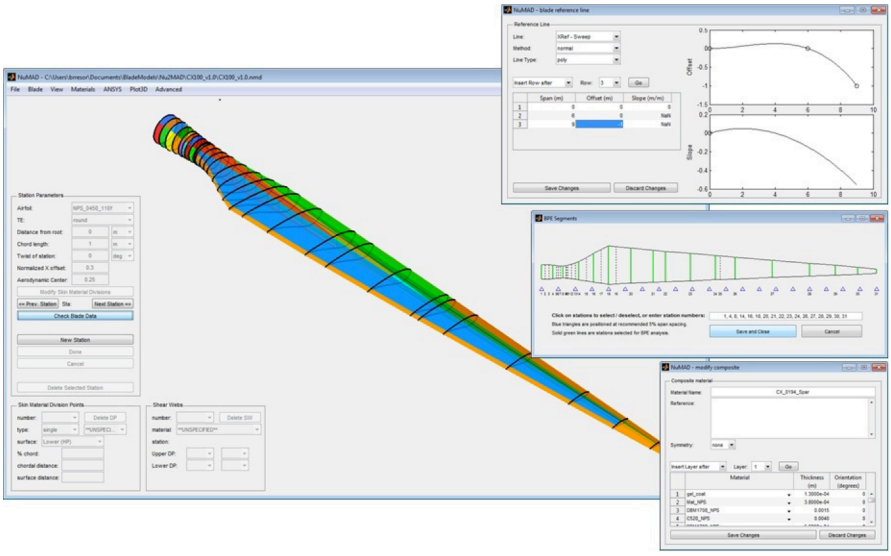
Rotor Design Tools

Sandia develops computer-aided engineering (CAE) tools with capabilities driven by the needs of current research projects. Rotor design is supported by a collection of tools which enable design and optimization of the rotor aerodynamics and structural performance. This unique and customizable toolset enables innovative designs and research on rotors, often including unconventional design objectives

NuMAD is an example of a design tool we have developed to simplify the process of creating structural models and calculating blade properties for aero-elastic simulation. NuMAD is open-source and freely available for download.

Sandia contact: Jonathan Berg



NuMAD© is a research code with capabilities that have been driven directly by Sandia/DOE research projects. The current version of NuMAD© (v2.0), released April 2013, may be obtained by returning the completed NuMAD Request form (as per instructions on the form).

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