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Product Release

Adams 2024.2

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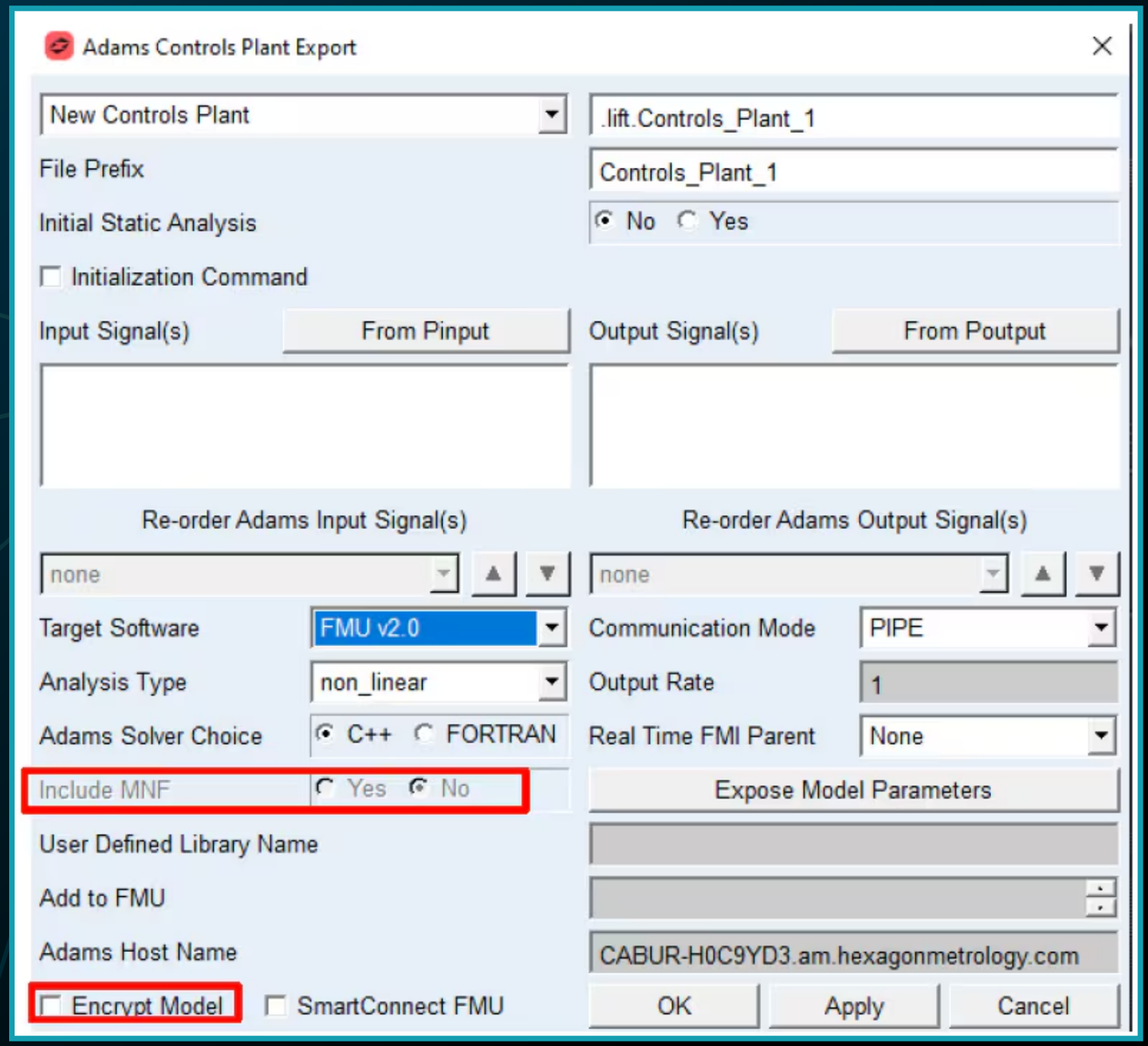
Encrypt MTX Files in Encrypted FMUs

Encrypts the flex body matrix file bundled in the encrypted FMU. Also prevents user from including an MNF in an encrypted FMU.



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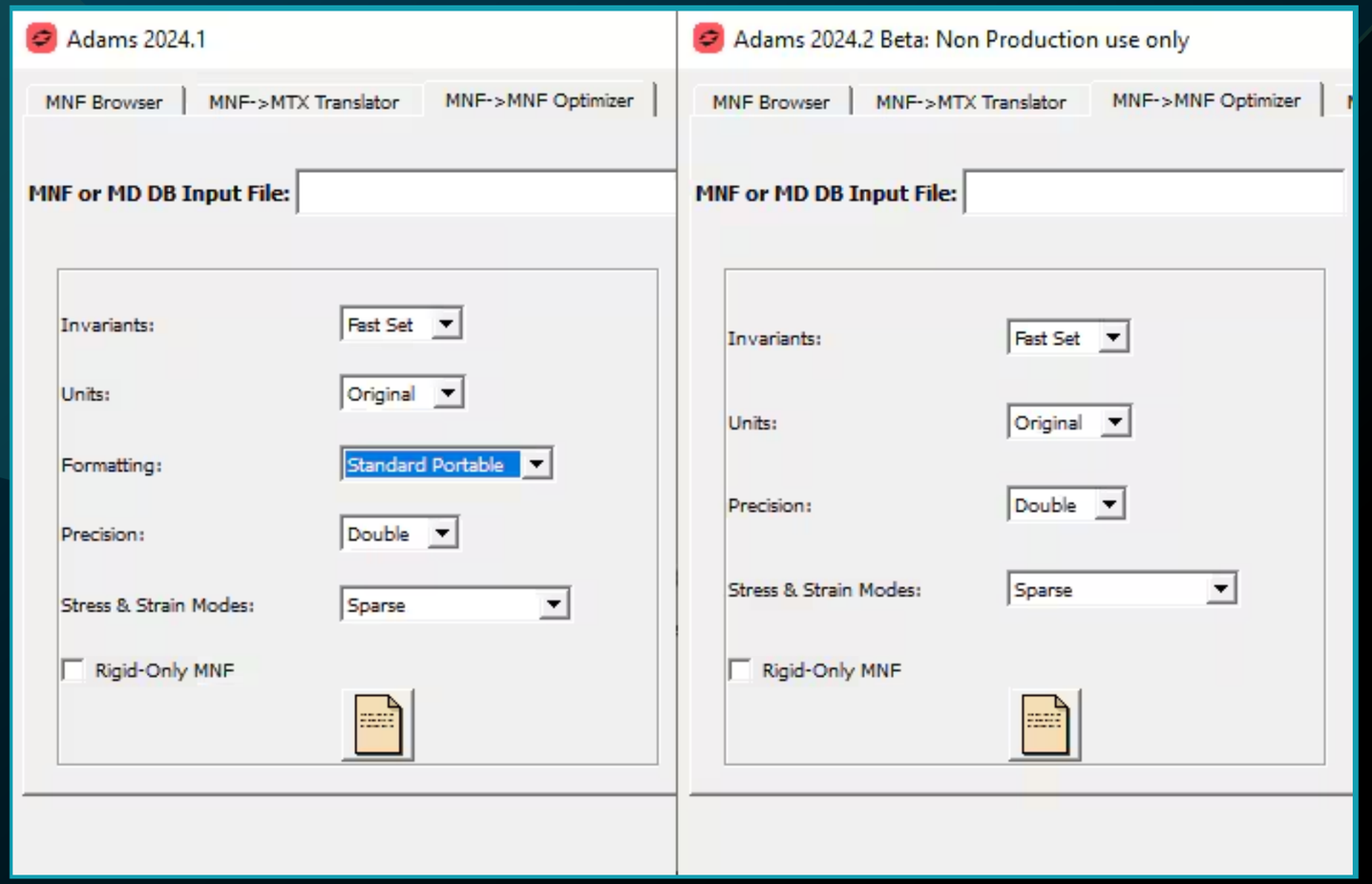
Make Default for MNF Generation to be Platform Specific

With platform specific definition, processing of MNF can be accomplished in less time. Speedups of 10-25% (when animating first frame) have been observed in testing.



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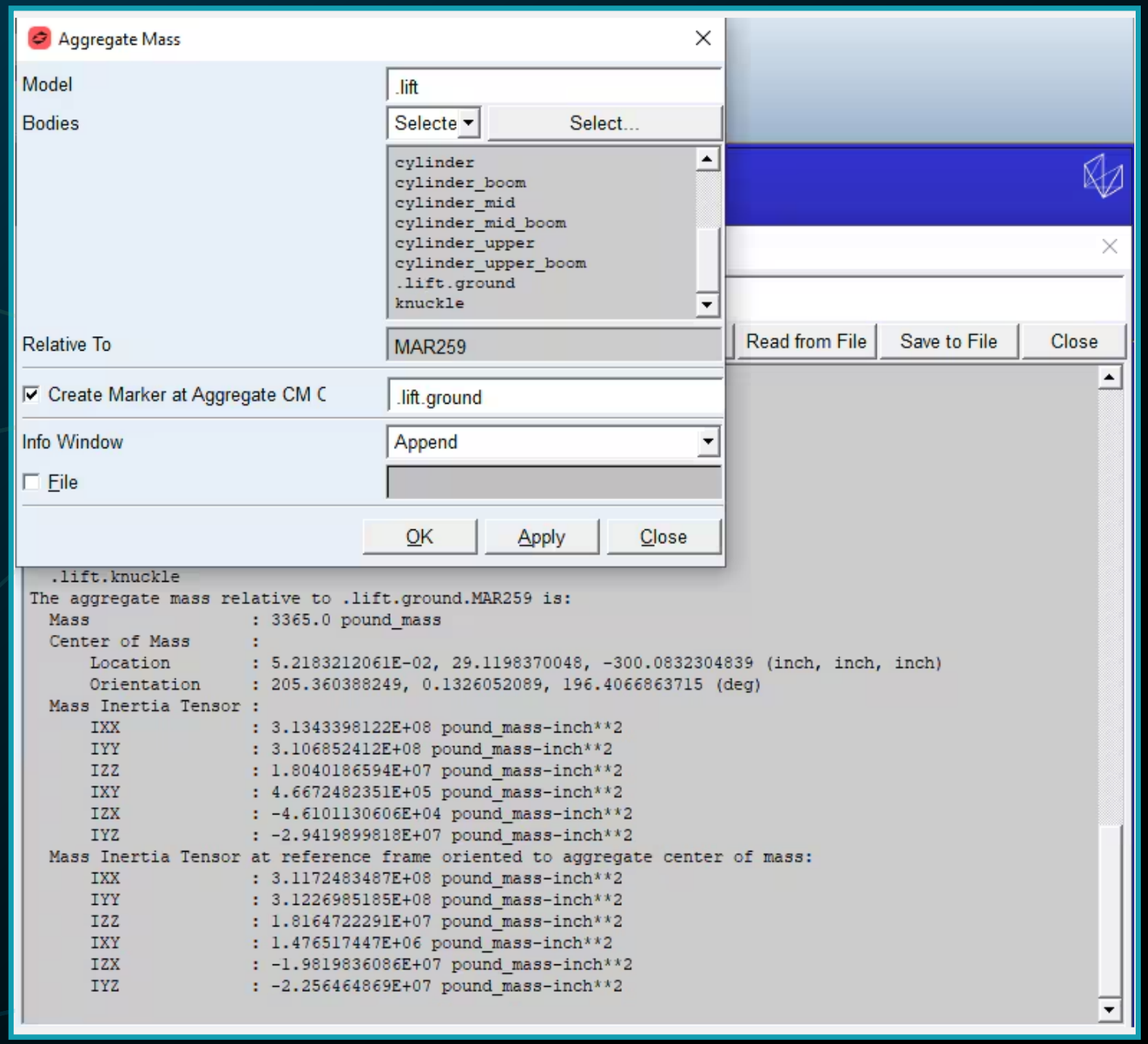
Aggregate Mass Diagnostics Improvements

Show inertia tensor at Aggregate CM relative to chosen reference frame.



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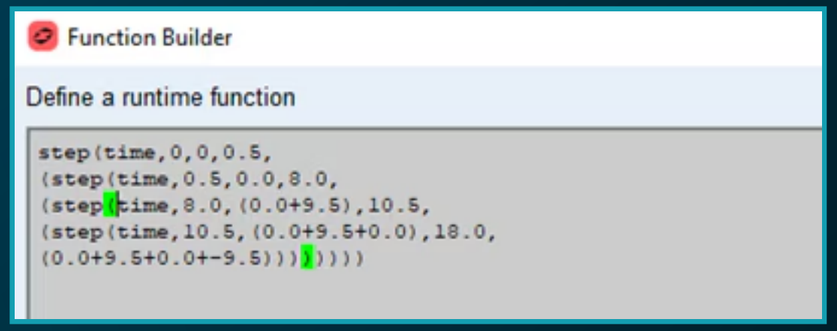
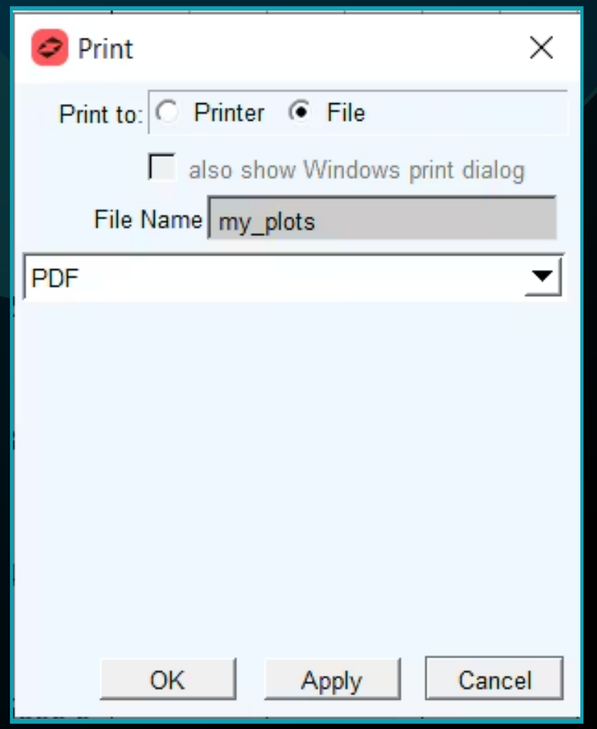
Function Builder Improvements

Function search field added, highlighting of bracket pairs in expressions.



Export to PDF from PPT

Ability to export PPT plots/pages to PDF.



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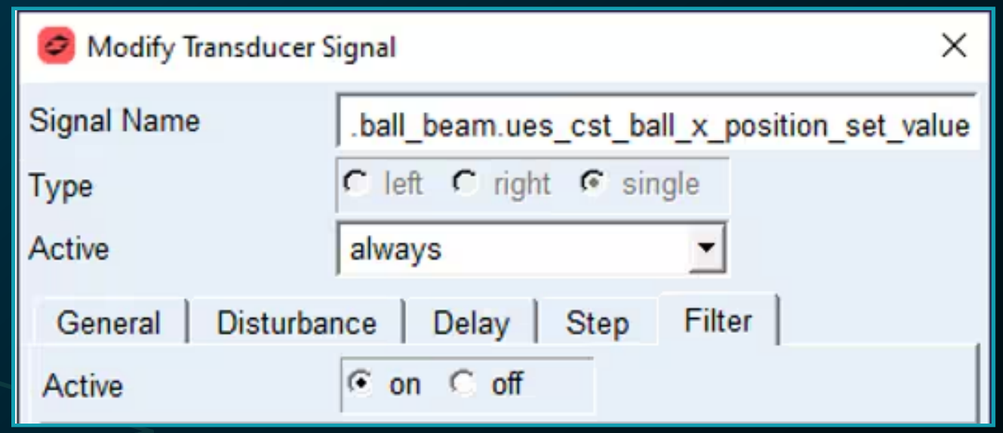
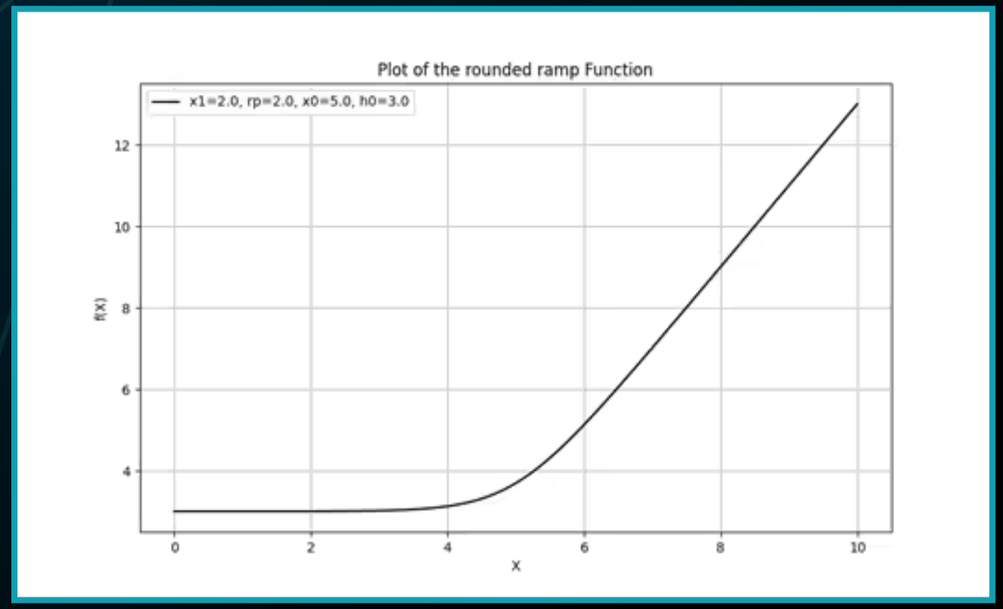
Support ‘Filter’ and ‘Step' for Mechatronics Signals

Implement a Filter function as part of Mechatronics signals. Implement a Step function as part of Mechatronics signals.



Smooth ramp function in the solver

Implement a smooth ramp function with continuous derivatives in the solver (in addition to existing functions such as STEP).



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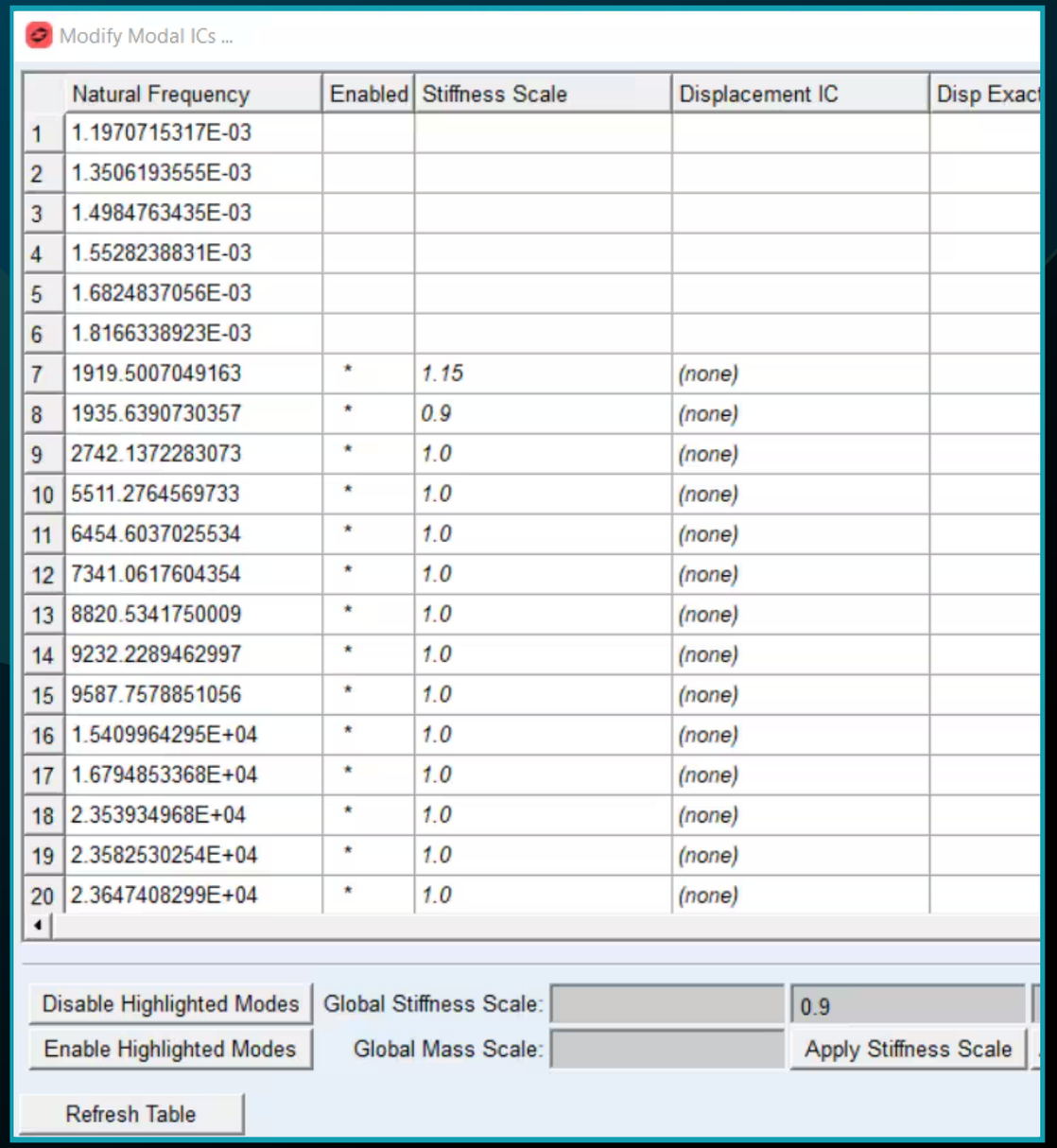
Edit Specific Modes of a Flex Body

Modify the frequency and stiffness of individual modes of a flex body.



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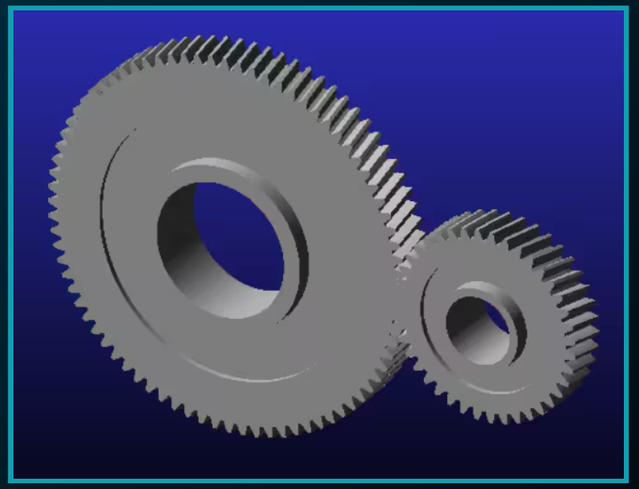
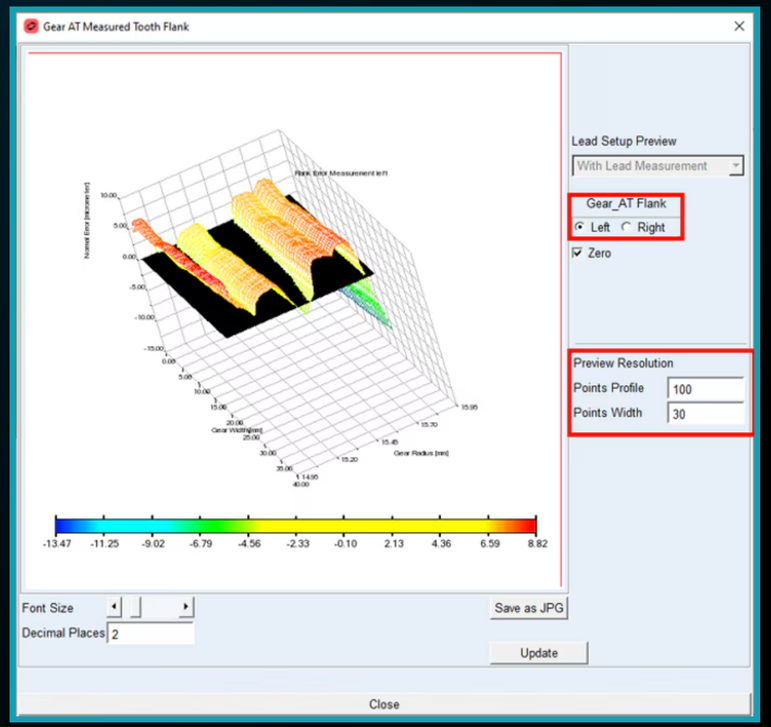
Support Cutaway Gear Blanks for Accurate Mass/Inertia Properties

Model gear mass properties correctly and support translation form Romax models with cutaways.



Advanced Spline Tooth Modeling Using Fast Method

Spline modeling for individual tooth microgeometry using the FE based contact pre-calculation method.



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