

Feature Manager and its contribution in pre-processing

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One of the main tasks for an engineer is to verify and eventually improve the design of geometric features of parts (such as holes, beads, flanges, fillets etc.), based on simulation results. Therefore, these features tend to have special meshing requirements, as well as special design changing needs with regard to optimization.

In recent ANSA versions, a lot of functionality has been developed in order to cover these requirements. The Feature Manager tool aims to combine all this feature-related functionality, giving access to mesh manipulation settings and design change actions (morphing) through a modern and easy to use interface that ensures overview and control.

This demo will introduce the capabilities of the Feature Manager tool that is coming with ANSA version 18.0 and explain how it fits and assists in standard pre-processing activities, as well as enabling completely new ones. Finally, it will provide some hints about future extensions of this tool in coming ANSA versions.