A COMSOL® App to Determine Stress Distribution Throughout Shelves

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Abstract

The goal of the work was creation of simple application using COMSOL Multiphysics® Application Builder allowing shelves static simulation. The application was created as an example of possible use of COMSOL for customers without deep knowledge of COMSOL system and the Finite Element Method. The user interface created using Application Builder is simple and can be used after short introduction. The application provide simple user interface and allows parametric design of shelves. The equivalent stress distribution can be obtained and visualized within application.