

## alaska/ModellerStudio

base model: models/Plot.mdl

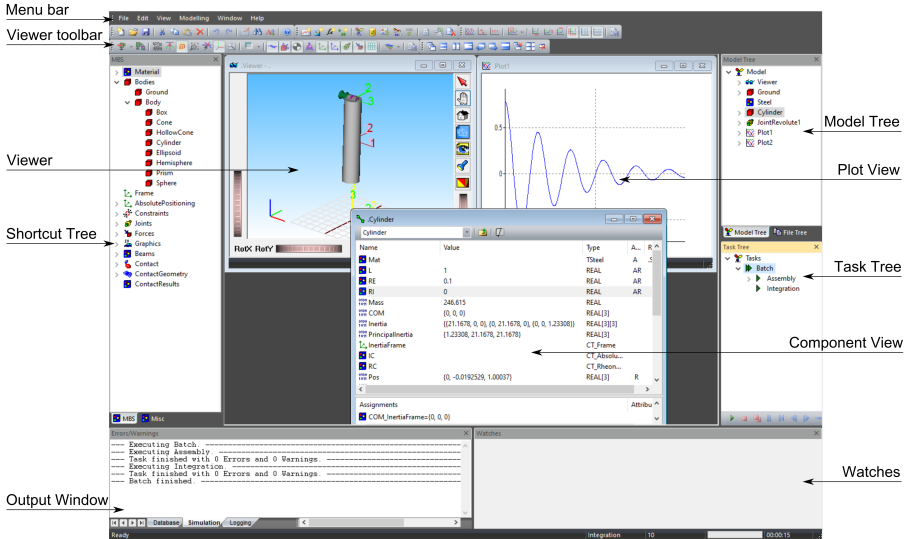
final model: (none)

## Open Model

Open the base model `Plot.mdl` in `alaska/ModellerStudio`

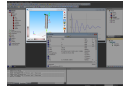
- 1 Open the graphical user interface `alaska/ModellerStudio`
- 2 In the menu bar select `File` `Open Model`
- 3 navigate to the folder containing the minitutorial models and double click the file `Plot.mdl`
- 4 on the right hand side you will see model elements
- 5 double click the text `Viewer`, double click the text `Cylinder` and double click the text `Plot1`
- 6 each click will open a new window
- 7 the next slide shows the arrangement of the graphical user interface and the opened windows  
(the arrangement of the windows will likely be different and the plot view “empty”)

# graphical user interface



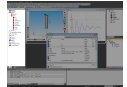
## ① Viewer

- ▶ This window visualizes your model in three dimensions
- ▶ It can be opened by double-click on the component **Viewer** at the "Model Tree"



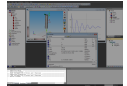
## ② Shortcut Tree

- ▶ Contains the most important templates of multibody system models



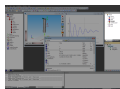
## ③ Output Window

- ▶ Contains errors, warnings and logging messages



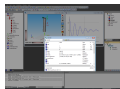
#### 4 Model Tree

- ▶ Contains all model components
- ▶ Double-click on any template opens a window containing the so-called "Component View" or the "Special View" if appropriate
- ▶ For plots and the Viewer the "Special View" will appear by double-click
- ▶ Select an element and press **F4** to open the "Component View"
- ▶ Press **F5** to add a new plot at the currently selected position in the model tree
- ▶ Press **F6** to add a new model element or a variable at the currently selected position in the model tree



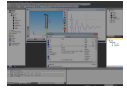
#### 5 Component View

- ▶ For a selected component at the "Model Tree" pressing **F4** will open the "Component View"
- ▶ The element/component may be parametrized or changed using this window



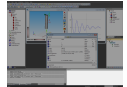
## ⑥ Task Tree

- ▶ The task tree contains all analysis tasks, which are contained in the model
- ▶ Press **F7** to add a new analysis or analysis group, which is called **Batch**, at the currently selected position in the task tree



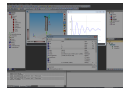
## ⑦ Watches

- ▶ Any variable of the alaska modeling system can simply be added to the Watches window
- ▶ Right-click the variable **Watch** > **Add to new Watch**
- ▶ Variables in the Watches window are updated during any system analysis



## ⑧ Plot Window

- ▶ Plots a real variable over time (or alternatively over another real variable)



- 9 The “Window toolbar” can be used to arrange all opened windows like “Component Views”, “Plots” and “Viewer”
- ▶ Hold mouse over symbol to get a tooltip
  - ▶ There are also symbols to “minimize all” or “close all” windows
  - ▶ Often, updating all the windows will slow down the computation, minimizing or closing the windows will fasten it up



## Next tutorial

Next tutorial: 3D-Viewer