Simcenter Amesim Handy Guide

Building your sketch (F9)

Add again the same submodel to the sketch	**Space bar**
Rotate submodel	**Ctrl + R or Mouse wheel button**
Flip submodel	**Ctrl + M or Right mouse button**
Connect or disconnect a line	**Ctrl + Left mouse button**
Remove unconnected lines	**Edit > Delete loose lines**
Create a supercomponent	**Ctrl + W**
Paste an image on the sketch	**Ctrl + Shift + V**
Zoom in	**Ctrl + Add**
Zoom out	**Ctrl + Substract**
Zoom in and out	**Ctrl + Mouse wheel rotation**
Model Update Assistant	**Ctrl + K**
Display external variables	**Ctrl + E**
Create interface block	

Setting up your model (F11)

Global parameters window	**Ctrl + G**
Modify the unit system	**Configure > Unit management…**
Compare two opened models	**Configure > Compare systems…**
Copy parameters	**Ctrl + C**
Paste parameters	**Ctrl + V**
Parameters used only as initial value	
Table Editor to import, edit and export tables	
Data file path is relative to the model's name	**${circuit_name}**

Preferences (Ctrl + Shift + P)

Automatically close compilation window	**Compilation > Automatic window close on successful compilation**
Set the number of parallel runs	**Parallel processing > Max. number of parallel runs per job**

Help (F1)

Open demo models	**Help > Demo Help**
Troubleshoot issues, download latest releases…	**Help > Technical support**

Running and post-processing simulations (F12)

Force model recompilation	**Ctrl + T**
Run parameters window	**Ctrl + U**
Study manager window	**Ctrl + B**
Start simulation	**F7**
Stop simulation	**F8**
Performance analyzer	

Plots

Hold curve for the next run (allows easy comparison)	
Automatic update of the plot during the simulation	
Result sets selection (Batch and experiments)	
Plot one variable as a function of the other	
Create bar chart	**Tools > Y animated curve**
Add current plot to model's plot configuration (save plot)	
Open the Plot manager to configure curves and items of a plot	

Post-processing / Expression editor useful functions

Returns the value of variable A at time T	**valueAt(A,T)**
Returns the value of the integration of A on the whole domain of definition of A	**integ(A)**
Ignores variable A before time T	**leftTrunc(A,T)**
Finds time at which A = B	**reachTime(A,B)**
Global maximum of A	**globMax(A)**

Matlab / Simulink co-simulation interface functions

Launch Matlab from Simcenter Amesim & add Simcenter Amesim library to Simulink library	**Tools > MATLAB®**
Matlab command to display available Amesim scripting functions	**help amesim**
Create co-simulation submodel from Matlab	**sl2amecosim('my_mdl_file','my_destination_folder','auto')**
Add created submodel to current Amesim path list	**Sketch > Category path list…**