Simplified user manual for JAMPS

Follow the instructions in the installer, shown in Figure 1.1. If the installation is successful, the message in Figure 1.2 will appear.
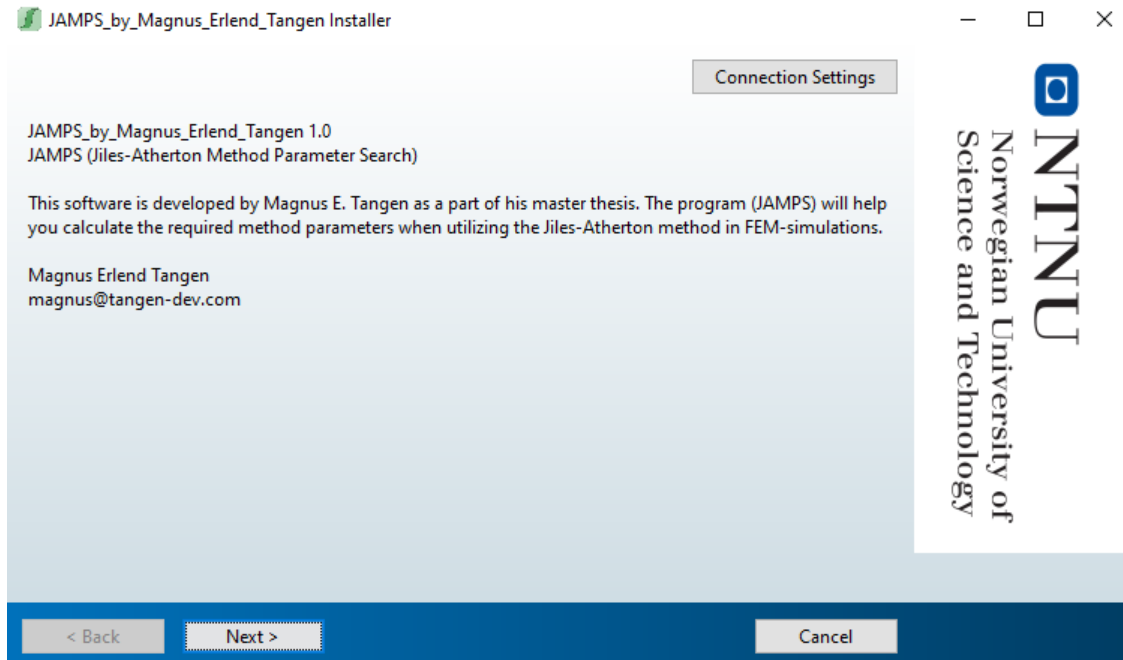

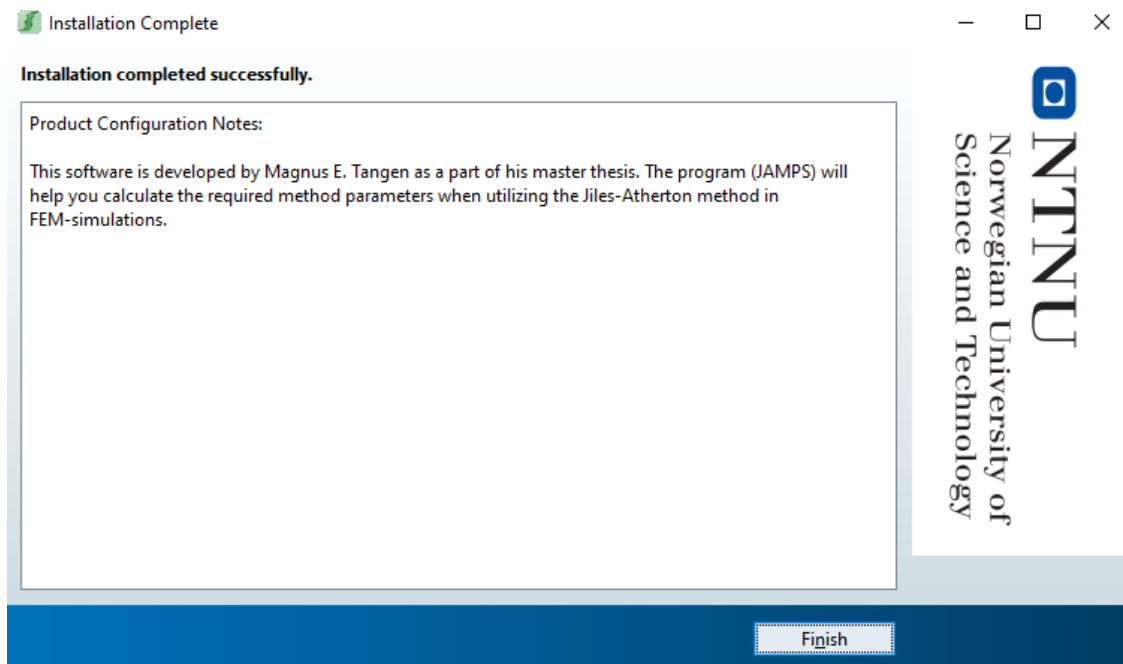Figure 1.1: JAMPS manual - Installer

Figure 1.2: JAMPS manual - Installation complete message

Launch the JAMPS software. The guide is always displayed in the upper right corner. The guide describes the visible elements and choices available in the software window, as shown in Figure 1.3.
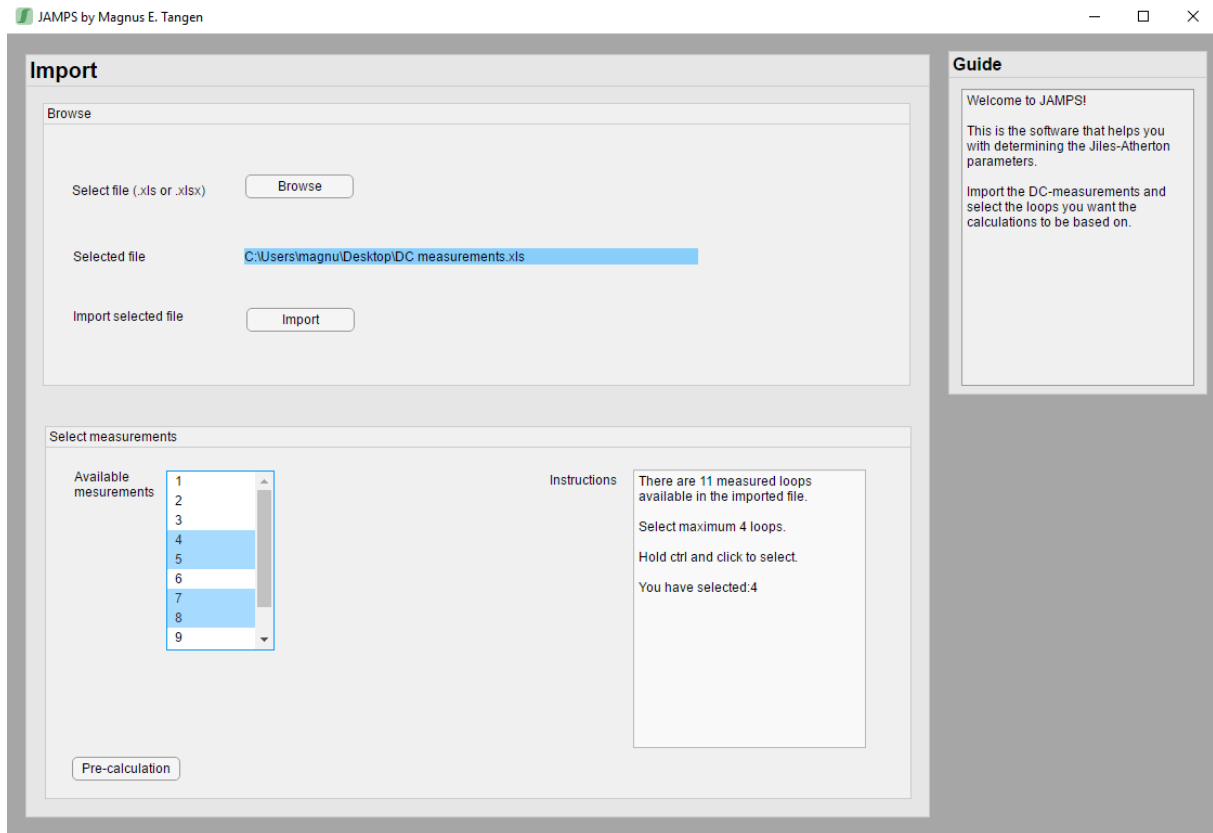

Figure 1.3: JAMPS manual - Import and select hysteresis loops from measurement file

1   Browse -> select a DC measurement file (.exe) -> import.

2   The measurement file often consists of several DC hysteresis loops. The program detects and numbers the available DC hysteresis loops. The numbering is based on when the loops appear in the measurement file. Select the measurements from 'Available measurements' by clicking on the number while pressing the 'ctrl' button. The program let the user select maximum four measurement sets (loops).

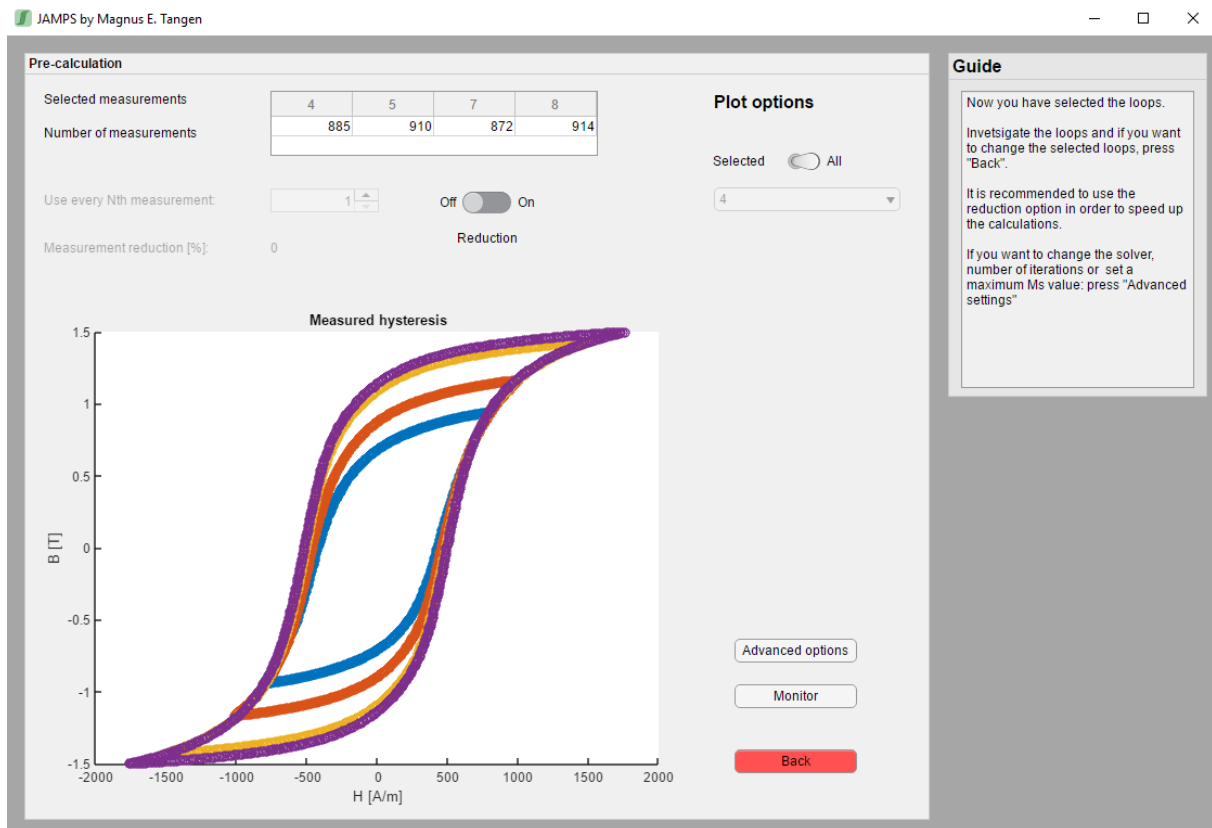3   Click 'Pre-calculation' to proceed to the Pre-calculation, as seen in Figure 1.4.

Figure 1.4: JAMPS manual - Pre-calculation page with plotted loops for inspection

Pre-calculation lets the user inspect all selected curves.

1   By flicking the Reduction switch to 'On' the number of measurements used in the parameter search can be reduced, as seen in Figure 1.5.

2   By flicking the Plot options switch to 'Selected' the selected curves can be investigated separately, as seen in Figure 1.6.

3   'Advanced options' takes you to the advanced options menu, as seen in Figure 1.7.

4   'Monitor' takes you to the optimizing panel where the parameter search can be initiated, as seen in Figure 1.8.
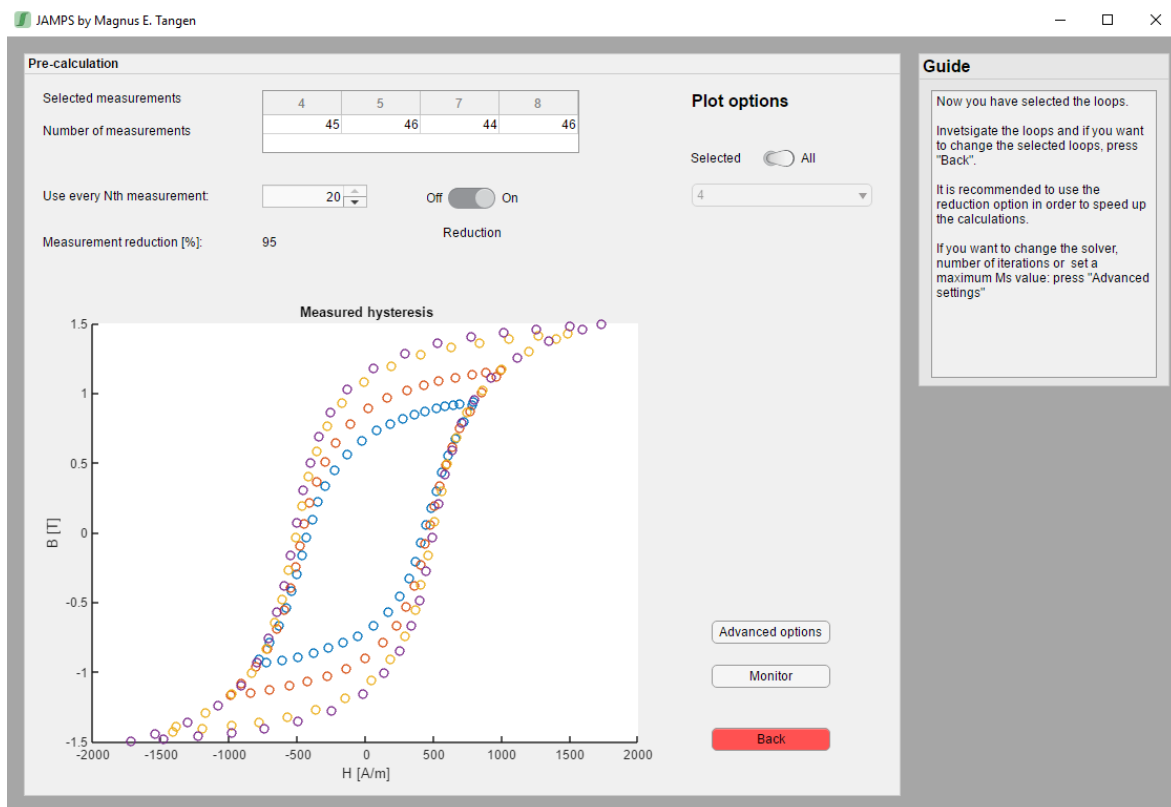
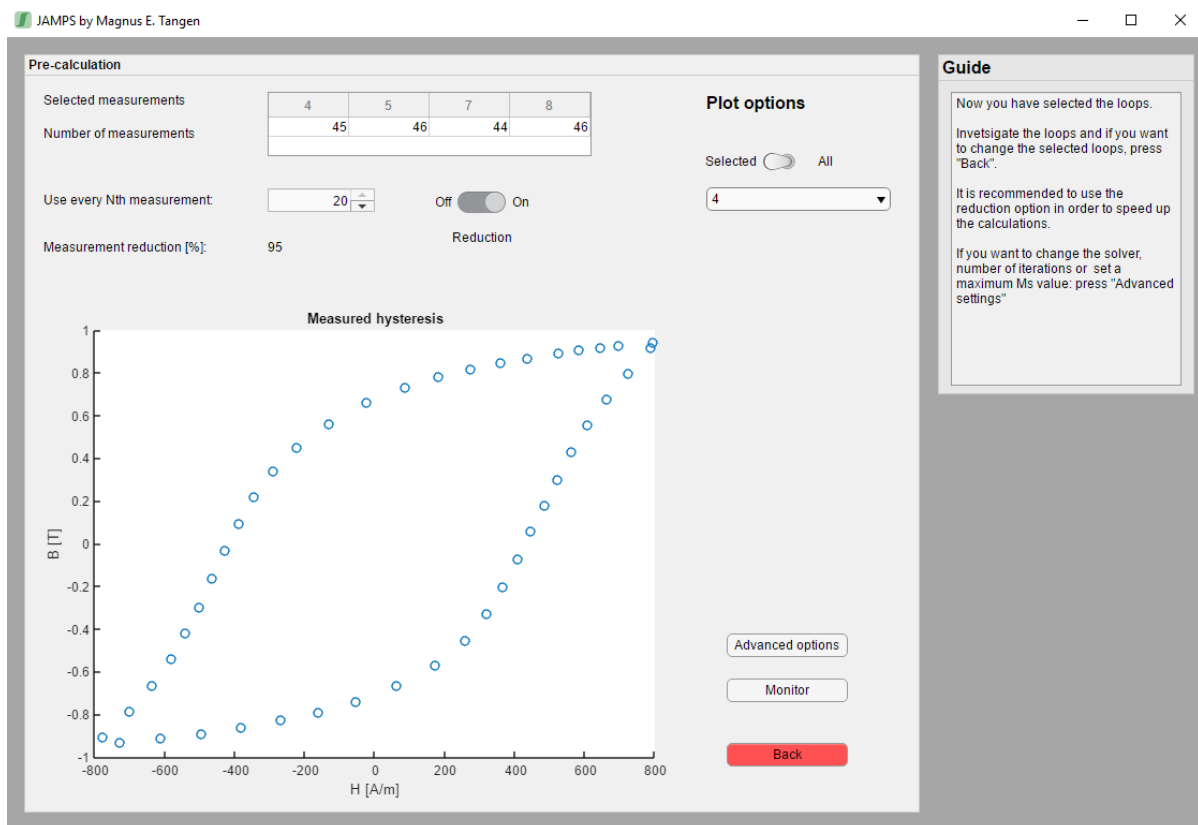Figure 1.5: JAMPS manual - Reduction of measurements in selected DC hysteresis loops

Figure 1.6: JAMPS manual - Individual investigation of selected DC hysteresis loops
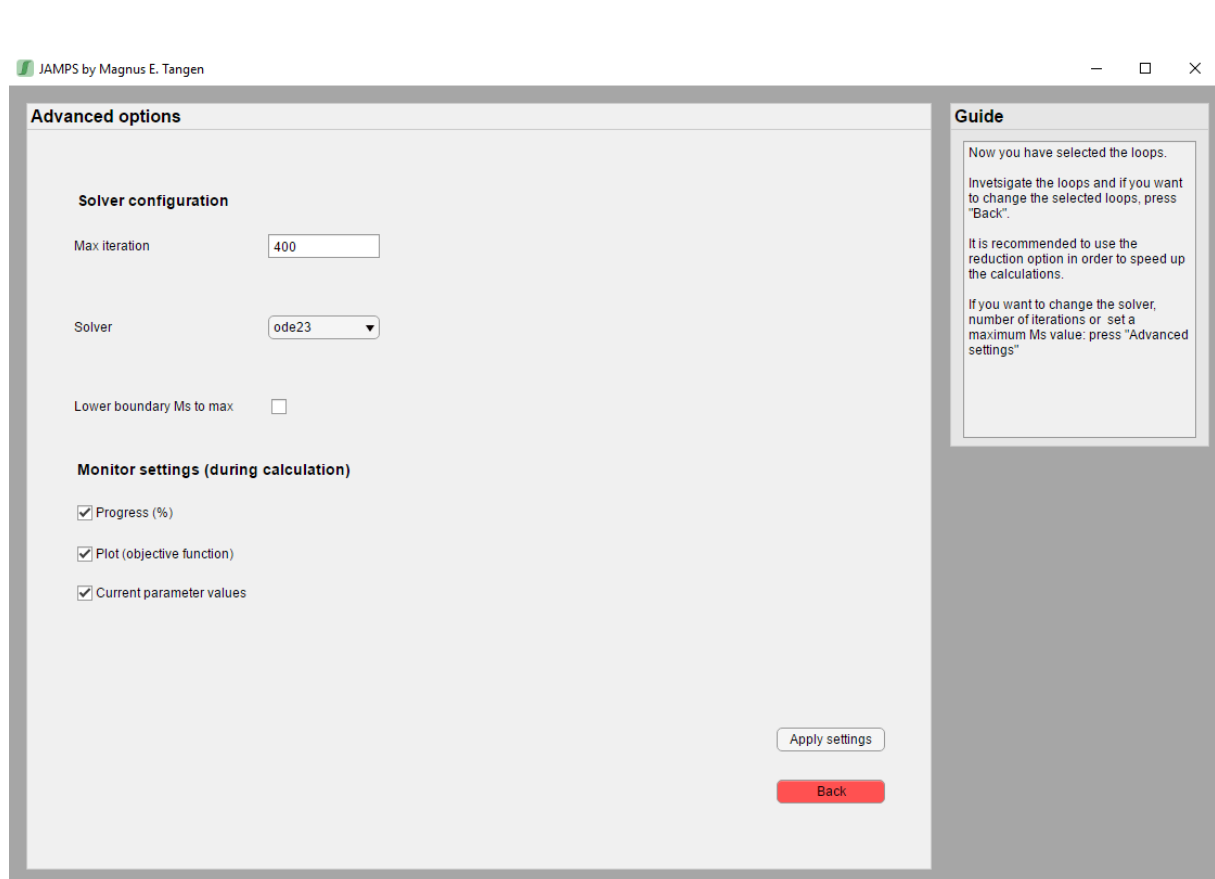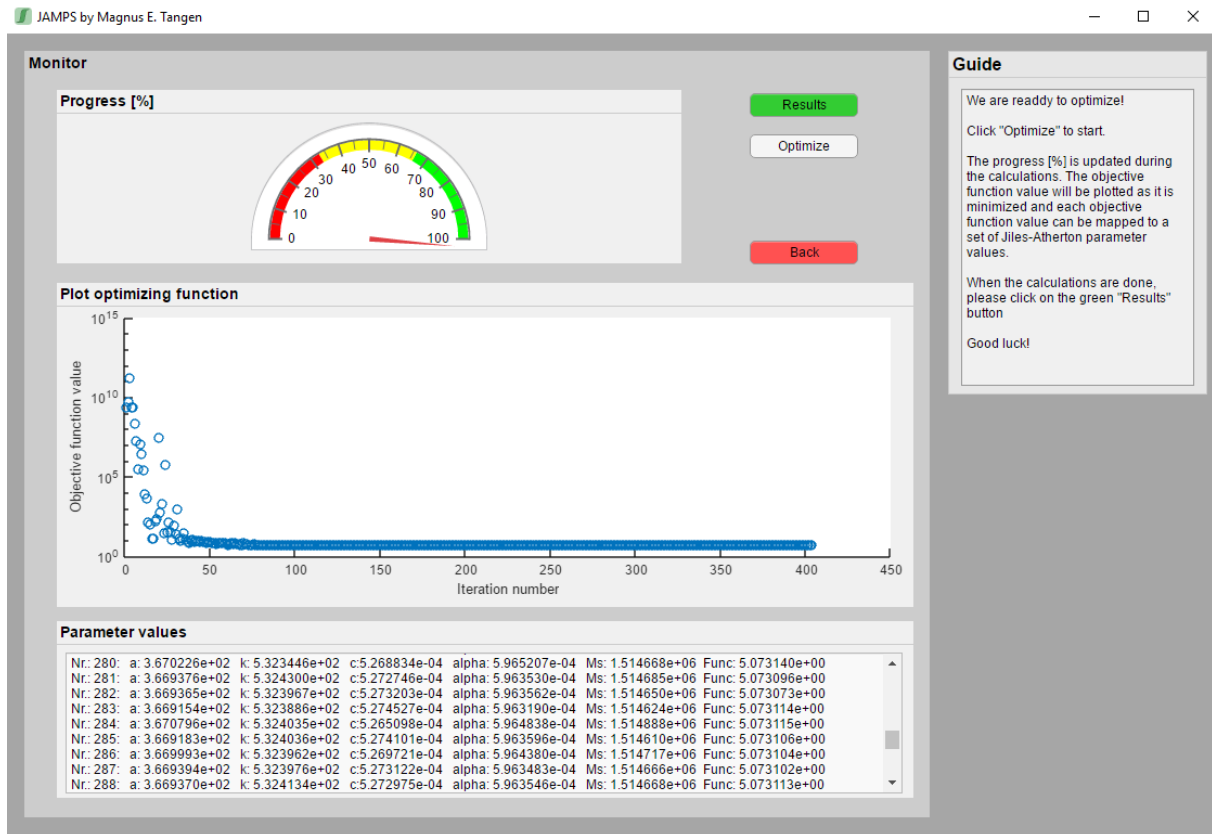
Figure 1.7: JAMPS manual - Advanced settings menu

Figure 1.8: JAMPS manual - Monitoring the parameter search

1   The parameter search is initiated by clicking the 'Optimize' button.

2   When the simulation is finished the green 'Result' button appears. Investigate the results by pressing the 'Result' button, see Figure 1.9.
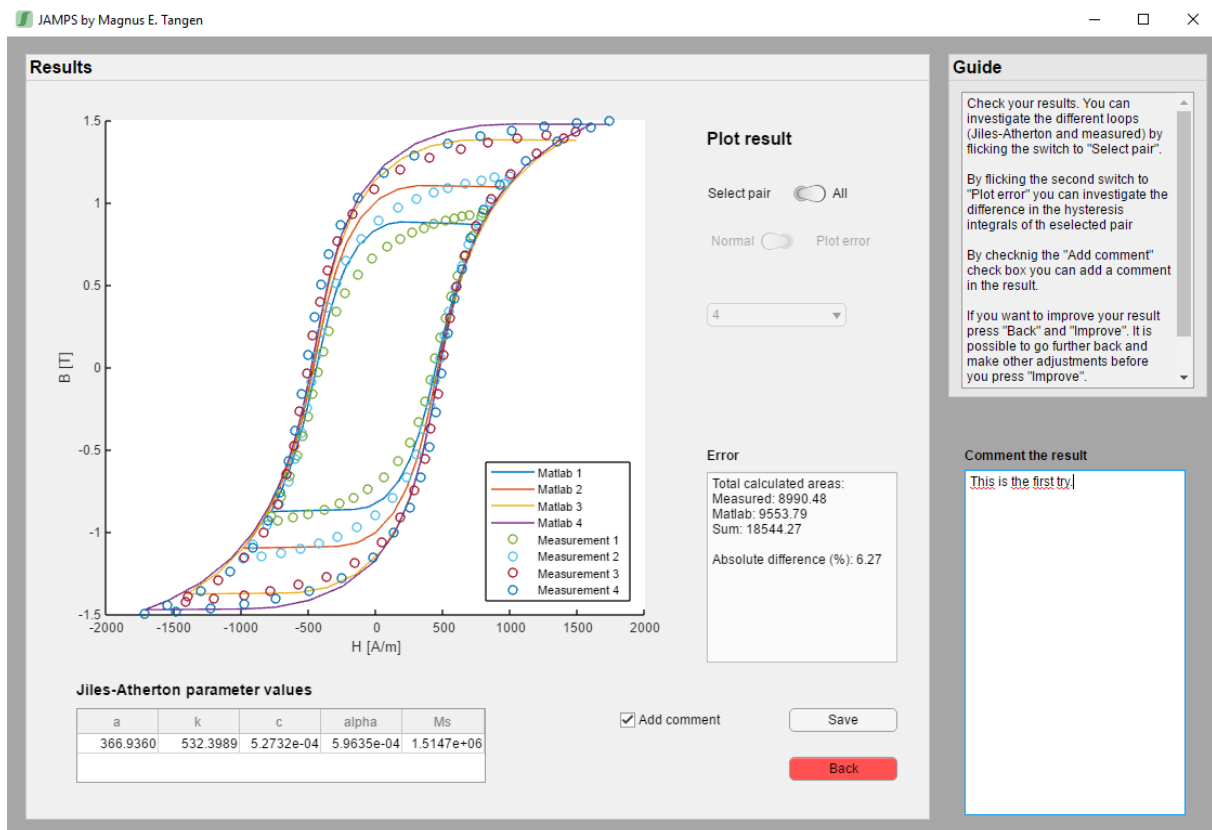
Figure 1.9: JAMPS manual - Parameters and plotted result

1   Investigate the separate loops by flicking the plot result switch to 'Select pair'.

2   Add a comment by checking the checkbox 'Add comment'.

3   Save the result by clicking the 'Save' button.