**Creating GUI using the appdesigner of Matlab**

1. Copy mibPluginController.m and mibPluginGUI.mlapp to a desired destination, for example MIB\Plugins\SBEM\DebrisRemoval

2. Open mibPluginGUI.mlapp in appdesigner

>> appdesigner mibPluginGUI.mlapp

and resave it as DebrisRemovalGUI.mlapp

3. Rename mibPluginController.m to DebrisRemovalController.m, where “DebrisRemoval” should match directory name of the plugin

4. Open DebrisRemovalController.m and rename all occurrences of “mibPlugin” to “DebrisRemoval”

5. Use the existing templates of editbox, checkbox, dropdown and radio buttons to populate the plugin with desired widgets.

The constructor of DebrisRemovalController has a section where BatchOpt structure with parameters of the GUI.