**AuxFiles**

* callbackButtons.py **✅**
* dictionaries.py
* generalFunctions.py
* imports.py

**Datas ✅**

* setAndSaveDefautDatas.py

**Geometry ✅**

* facesGenerator.py
* getGeometry.py

**Layout ✅**

* graphLayout.py
* pageLayout.py

**Results ✅**

* resultsDatas.py

**Simulation ✅**

* iterationDatas.py
* managerThread.py
* setSimulation.py

**✅facesGenerator.py →** O arquivo é responsavel por gerar as faces das geometrias que são plotadas na interfaces.

* callFaces (return faces)
  + Before:
    - plot3dGraph (getGeometry)
  + After:
    - eulerianAndChipPlateDatas
    - createPartitionEulerian
    - toolDatas
* eulerianAndChipPlateDatas (return faces)
  + Before:
    - callFaces
  + After:
    - geometryDatas
* geometryDatas (return faces)
  + Before:
    - eulerianAndChipPlateDatas
  + After:
    - getFaces
* getFaces (return faces)
  + Before:
    - geometryDatas
  + After:
    - None
* toolDatas (return faces)
  + Before:
    - callFaces
  + After:
    - None
* createPartitionEulerian
  + Before:
    - callFaces
  + After:
    - None

**✅ getGometry.py →** O

* setInfo
  + Before:
    - applyButton (Callbacks)
    - tabWidget changed (Callbacks)
    - setDefautInfos (setAndSaveDefautDatas)
  + After:
    - pageLayout (setGeneralInfos)
    - plot3dGraph
* plot3dGraph
  + Before:
    - setInfo
  + After:
    - callFaces (facesGenerator)
    - axisLayout (graphLayout)
    - rezise (graphLayout)
* saveInfos
  + Before:
    - saveButton (Callbacks)
    - setDefautIndos (setAndSaveDefautDatas)
  + After:
    - openDict
    - editDict
    - saveNewDict
* openDict (return data)
  + Before:
    - saveInfos
  + After:
    - None
* editDict (return data)
  + Before:
    - saveInfos
  + After:
    - None
* saveNewDict
  + Before:
    - saveInfos
  + After:
    - None

**✅ graphLayout.py →** O arquivo é responsavel por gerar as faces das geometrias que

* createPlotAreas
  + Before:
    - createPlot (Callbacks)
  + After:
    - None
* resize
  + Before:
    - plot3dGraph (getGeometry)
    - reziseEvent (Callbacks)
    - pageNumber (pageLayout)
  + After:
    - None
* axisLayout
  + Before:
    - plot3dGraph (getGeometry)
  + After:
    - None

**✅ pageLayout.py →** O arquivo é responsavel por gerar as faces das geometrias que

* pageNumber
  + Before:
    - start (Callbacks)
    - parametruzatuinButton (Callbacks)
    - iterationButton (Callbacks)
    - returnButton (Callbacks)
  + After:
    - rezise (graphLayout)
* setGeneralInfos (return all\_infos)
  + Before:
    - setInfo (getGeometry)
    - reziseEvent (Callbacks)
    - pageNumber (pageLayout)
  + After:
    - None
* setIterationVariablesEnabled
  + Before:
    - numberOfVariables changed (Callbacks)
  + After:
    - None

**✅ iterationDatas.py →** O arquivo é responsavel por gerar as faces das geometrias que

* foldersPaths
  + Before:
    - inpButton (Callbacks)
  + After:
    - None
* saveSimulationInfos
  + Before:
    - applyInteration (Callbacks)
  + After:
    - iterationParameters (GetDictionary)
    - iterationInfo (GetDictionary)
    - getInfo
    - saveIteration
    - run
    - saveSingleDatas
* getInfo
  + Before:
    - saveIterationInfo
  + After:
    - Warning (AuxFunctions)
* saveIteration
  + Before:
    - saveSimulationInfos
  + After:
    - cleanAndCreateFolder (AuxFunctions)
    - openDict (AuxFunctions)
    - updateParametersValues
    - saveDict (AuxFunctions)
* updateParametersValues
  + Before:
    - saveIteration
  + After:
    - None
* saveSingleDatas
  + Before:
    - saveSimulationInfos
  + After:
    - cleanAndCreateFolder (AuxFunctions)
    - openDict (AuxFunctions)
    - saveDict (AuxFunctions)
    - run
* run
  + Before:
    - saveSimulationInfos
    - saveSingleDatas
  + After:
    - runAbaqus
* runAbaqus
  + Before:
    - run
  + After:
    - runBackend()

**✅ runSimulation.py →** O arquivo é responsavel por gerar as faces das geometrias que

* getAvalablesCores
  + Before:
    - iterationButton (Callbacks)
  + After:
    - None
* getNumberOfSimulations
  + Before:
    - applyIteration (Callbacks)
  + After:
    - None
* corebySimulation
  + Before:
    - numberofPararelSimulation changed (Callbacks)
  + After:
    - None

**✅ setAndSaveDefautDatas.py →** O arquivo é responsavel por gerar as faces das

* getPahts
  + Before:
    - start (Callbacks)
  + After:
    - None
* getDefautDatas
  + Before:
    - start (Callbacks)
  + After:
    - None
* setDafautInfos
  + Before:
    - defautValues changed (Callbacks)
  + After:
    - setInfo (getGeometry)