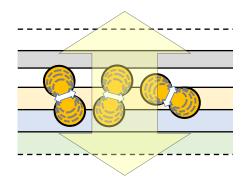
Lazy Command

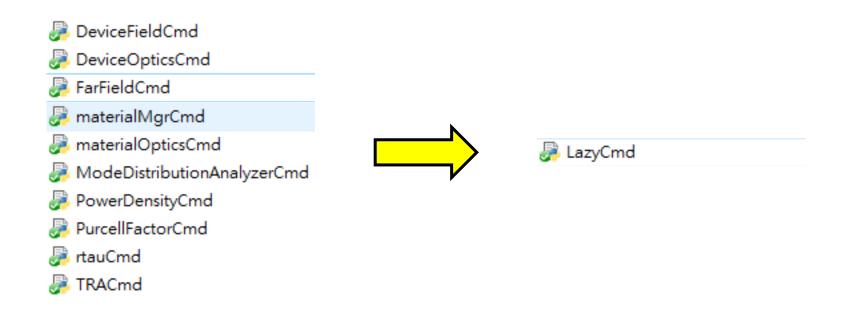
-LazyCmd.py

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Objective

• If the user thick the command line is too hard to use, we also develop a simple version for execution.



How to execute

Open Lazy.py by text editor.

```
D:\Dropbox\GoodLabSimulator_aniso\LegendDesign\ori_src\Execution\LazyCmd.py (ori_src) - Sublime Text (UNREGISTERED)
                                                                                                                                    \times
File Edit Selection Find View Goto Tools Project Preferences Help
 OPEN FILES
× LazyCmd.py
                                            #!/usr/bin/env python3
FOLDERS
▼ 📄 ori_src
 ▶ Command

▼    Execution

   ▶ Example
    /* DataMatrixAnalyzerScript.py
                                       8 import sys
     /* DeviceFieldCmd.py
                                       9 import os
     /* DeviceOpticsCmd.py
                                      10 import numpy as np
     /* DOFExtractor.py
     /* DOFExtractorExample.py
                                      11 ExePath = os.path.dirname(os.path.abspath( file ))
     /* FarFieldCmd.pv
                                            srcPath = os.path.dirname(ExePath)
     /* LazyCmd.py
                                            if srcPath not in sys.path:
     /* materialMgrCmd.py
                                                 sys.path.append(srcPath)
     /* materialOpticsCmd.py
     /* ModeDistributionAnalyzerCmd.py
     /* PowerDensityCmd.py
                                           from Command.SimulationInformation import ProgramIntroduction
     /* PurcellFactorCmd.py
                                           msg = ProgramIntroduction()
     /* rtauCmd.py
                                            print(msg)
     /* TextExecute.py
     /* TRACmd.py
  ▶ ■ FunctionClass
  ▶ IIII Help
                                           from Command.Checker import UserChecker
  ▶ Material
                                            username, userpath = UserChecker(username=None, userpath=None)
  ▶ ■ MyColorScience
  myOptimizor
  Optics
                                            logfid = open( os.path.join(userpath, 'log.txt'), 'a')
  ▶ ■ OpticsCmd
  ▶ ■ ParameterExtractor
  ▶ ■ PlanarStructure
                                           from Command.Checker import MaterialMgrGenerator
  ▶ ■ ReaderWriter
```

Edit Lazy.py

Structure list file path and name.

Choose function

```
# execution
from TextExecute import LazyCmdExecute
LazyCmdExecute(structList, sLineList, MaterialMgr, cmdID=9)
```

Command ID in the next

Edit cmdlnitializer.py (setting)

D:\Dropbox\GoodLabSimulator aniso\LegendDesign\ori src\Command\cmdInitializer.py (ori src) - Sublime Text (UNREGISTERED)

```
File Edit Selection Find View Goto Tools Project Preferences Help
                                                                   cmdlnitializer.py
 OPEN FILES
 × LazyCmd.py
                                               import os
 × cmdlnitializer.py
                                               import numpy as np
                                               ExePath = os.path.dirname(os.path.abspath( file ))
 FOLDERS
                                               srcPath = os.path.dirname(ExePath)
 ▼ ori src
                                               if srcPath not in sys.path:
  ▼ Command
                                                    sys.path.append(srcPath)
    __pycache__
                                               from Help.NumberGenerator import mySpacing2List
     /* __init__.py
     /* Checker.py
                                               def_commandGenerator(cmdID).
     /* cmdlnitializer.pv
                                                    if cmdID == 0:
     /* CommandProcedureTemplate.py
                                                         return DeviceOpticsCmdGenetator()
     /* HelpPrint.py
                                                    elif cmdID == 1:
     /* setting.py
                                                         return rtauCmdGenetator()
     /* SimulationInformation.pv
                                                    elif cmdID == 2:
     /* StructureCmd.pv
                                                         return rtauZCmdGenetator()
     /* StructureResultCmd.py
                                                    elif cmdID == 3:
     /* UserTemptlateCmd.py
                                                         return TRACmdGenetator()

▼ Execution

                                                    elif cmdID == 4:
    Example
                                                         return DeviceFieldCmdGenetator()
     /* DataMatrixAnalyzerScript.py
                                                    elif cmdID == 5:
     /* DeviceFieldCmd.py
                                                         return PowerDensityCoherentSetCmdGenetator()
     /* DeviceOpticsCmd.py
                                                    elif cmdID == 6:
     /* DOFExtractor.py
                                                         return PowerDensityIncoherentStackingCmdGenetator()
     /* DOFExtractorExample.py
                                                    elif cmdID == 7:
     /* FarFieldCmd.py
                                                         return PowerDensityZCmdGenetator()
     /* LazyCmd.pv
                                                    elif cmdID == 8:
     /* materialMgrCmd.py
                                                         return PurcellFactorCmdGenetator()
     /* materialOpticsCmd.py
                                                    elif cmdID == 9:
     /* ModeDistributionAnalyzerCmd.py
                                                         return ModeAnalyzerCmdGenetator()
     /* PowerDensityCmd.py
                                                    elif cmdID == 10:
     /* PurcellFactorCmd.py
                                                         return FarFieldCmdGenetator()
      /* rtauCmd.py
                                                    assert False
      /* TextExecute.py
                                               def DeviceOpticsCmdGenetator():
                                          42
     /* TRACmd.pv
```

W Good

Edit cmdlnitializer.py (setting)

Open cmdInitializer.py by text editor.

```
117 ▼ def TRACmdGenetator():
          # Must Not Modified
          calThick, calEMLBool, calWVBool, calPOSBool =True, False, False, False
          from OpticsCmd.WaveOpticsCmd.PlanarOpticsCmd import TRA
120
          cmdFun = TRA.run.runTRA Structure
          SetDict = TRA.setting._TRADict.copy()
          SetDict['SAVE RUN TIME RESULT'] = False
          SetDict['WAVELENGTH'] = mySpacing2List(380,780,10)
          SetDict['THETA'] = mySpacing2List(0,90,1)
          SetDict['PHI'] = [0]
          SetDict['KXKO'] = mySpacing2List(0,1,0.1)
128
          SetDict['KYKO'] = mySpacing2List(0,1,0.1)
130
          SetDict['DIRECTION'] = 'TOP'
          SetDict['RUN TIME WRITEMATRIX'] = False
          SetDict['RUN TIME PLOT VS WV'] = False
          SetDict['RUN TIME PLOT VS XY'] = False
134
          SetDict['RUN TIME PLOT CONTOUR'] = False
          Mode='ANGLE'
          return cmdFun, SetDict, calThick, calEMLBool, calWVBool, calPOSBool, Mode
137 ▼ def DeviceFieldCmdGenetator():
138
          calThick, calEMLBool, calWVBool, calPOSBool =True, True, True, True
          from OpticsCmd.WaveOpticsCmd.SourceOpticsCmd import DeviceField
          cmdFun = DeviceField.run.runDFz Structure
          SetDict = DeviceField.setting. DFDict.copy()
          SetDict['SAVE_RUN_TIME_RESULT'] = False
          SetDict['KTKO']
                              = mySpacing2List(0,1,0.1)
                             = np.array([0], dtype=np.float64)
          SetDict['THETAKT']
                              = mySpacing2List(-1,1,0.1)
          SetDict['KXKO']
          SetDict['KYKO']
                              = mySpacing2List(-1,1,0.1)
          SetDict['Z']
                              = mySpacing2List(-50,50,1)
150
          SetDict['RUN TIME PLOT'] = False
          SetDict['WRITE E'] = True
          SetDict['WRITE_H'] = True
```