- oApp.CloseProject('project.siw')
- oApp.CloseProjectNoForce('project.siw')
- oDoc.Equals(oDoc)
- oDoc = oApp.GetActiveProject()
- oDoc.GetFileDir()
- oDoc.GetFilePath()
- oDoc.GetName()
- oDoc.GetNetworkDataSolution('SYZ Sim 1')
- oDoc.GetNetworkDataSolutionDefinition('SYZ Sim 1')
- oApp.GetProjectDirectory()
- oDoc.GetProjectList()
- oDoc.GetTopDesignList()
- oApp.GetVersion()
- oApp.ImportAnfFile('C:\KWH\GSG.anf')
- oApp.ImportOdb('test.tgz','test.xml')
- oDoc.IsSolutionDataAvailable('SYZ Sim 1')
- oApp.OpenProject('C:\KWH\GSG_model.siw')
- oApp.Quit()
- oDoc.ReferenceEquals(obj1, obj2)
- oApp.RestoreWindow()
- oDoc.Save()
- oDoc.ScrActivateCktElem ('Port1','port',False)
- oDoc.ScrAddEquipotentialRegion('T1_A','U1','10',True)
- oDoc.ScrAddError('This is my error.')
- oDoc.ScrAddInfo('This is my information.')
- oDoc.ScrAddLayer('new layer name','reference layer name',True,1,0.1,'copper')
- oDoc.ScrAddMaterial('dielectric','Name',5,0.02)
- oDoc.ScrAddOneLayerPadstack('NEW_PADSTACK','METAL- 1','Circle','0.5mm','0.5mm')
- oDoc.ScrAddWarning('This is my warning.')
- oDoc.ScrAppendSteppedSweep('syz', 5000000.0, 5005000000.0, 100000000.0)
- oDoc.ScrAppendSweep('syz',5000000.0,5000000000.0,4,True)
- oDoc.ScrAssign4PtBondwireProfile('die2_ die3',0.3,0.3,0.01,'Signal','Power')
- oDoc.ScrAssign5PtBondwireProfile('die1_ die3',0.31,0.32,0.011,85.1,5.1,'Top','Ground')
- oDoc.ScrAssignBondwireTerminalType('*Net_2*','RT*','100- *',True)
- oDoc.ScrAssignComplexSolderballProfile ('BGA',0.5,0.18,0.225,0.1666,0,0)
- oDoc.ScrAssignLowBondwireProfile('die2_ die3',0.3,0.3,0.01,0.1,0.1,'Signal','Power')
- oDoc.ScrAssignSimpleSolderballProfile('BGA', 0.5, 0.225, 0, 0)
- oDoc.ScrAssignSketchedBondwireProfile('die1_die2', 'F:\TestScriptsForDocumentation\bw_pts.bwp', 0.012, 'Top', 'Ground')
- oDoc.ScrAssignSketchedBondwireProfileFromArray('die1_ die2', 'mm', xyPoints, 0.012, 'Top', 'Ground')
- oDoc.ScrAssignSolderballTerminalType('*Net_2*', 'RT*', '100-*', True)
- oDoc.ScrBooleanUnite(['netName1','netName2','netName3'])
- oDoc.ScrChangePartType('288DIMMDDR4_EDGE_CONNBASE',' Discrete Device')
- oDoc.ScrCleanUpOverlappingtraces (['layer1','layer2','layer3'])
- oDoc.ScrClearAllSweeps('ff')
- netNames = ['VCC', 'GND', 'Heg', 'NET-1', 'NET-2', 'PWR'] points = [0.0, 0.0, 10.0, 20.0, 40.0, 40.0, 40.0, 0.0, 16.0, 4.0] outcome = obj.ScrClipDesign (netNames, points)
- oDoc.ScrClipDesignAroundNets (netNames, '1mm', True, 0, True, False)
- oDoc.ScrCloseProject()
- oDoc.ScrCloseProjectNoSave()
- oDoc.ScrComputeFwsSubckt('SYZ Sweep 1', 'C:\sweep1')
- oDoc.ScrComputeFwsSubcktForNamedSim('syz', 'SYZ Sweep 1', 'C:\sweep1')
- oDoc.ScrConvertPlanesToTraces(['GND','P28VA'])
- oDoc.ScrConvertTracesToPlanes ('BOTTOM','GND',True,0.001,'mm')
- oDoc.ScrConvertTracesToPlanes(['GND','P28VA'])
- oDoc.ScrCopyImageToClipBoard()
- oDoc.ScrCreatePinGroups('CSP_BGA', 'BGA', ['A5','A6','A7','A8'], 'new_group_1', False)
- oDoc.ScrCreatePinGroupByDist('T1_A', 'U1', '14', 'TestPinGroupA', '450um', True)
- oDoc.ScrCreatePinGroupsByGrid ('DDR4_X4_FBGA78-10X13,,', 'U1', 3, 2, False, True)
- oDoc.ScrCreatePinGroupByNet ('T1_A', 'U1', 'GND', 'U1_ GND', False)
- oDoc.ScrCreatePortsOnPart('CP90-P4969-90', 'V1P1', 'VREG_S9A_0P8', ['pin1','pin2','pin3'], 'AGND', '35ohm')
- oDoc.ScrDeleteAllNets()
- oDoc.ScrDeleteCktElem('C_1')
- oDoc.ScrDeleteDcSolution()
- oDoc.ScrDeleteFrequencySweepSolution()
- oDoc.ScrDeleteLayer('BOTTOM')
- oDoc.ScrDeleteNearFieldSolutions()
- oDoc.ScrDeleteNet('net69')
- oDoc.ScrDeleteNets(['net5','net6','net7','net8'])
- oDoc.ScrDeleteNetsGivenInFile('C:\NetFiles\nets_to_ delete.txt')
- oDoc.ScrDeletePadstack('Stack')
- oDoc.ScrDeletePinGroup('U1_GND_Group', True)
- oDoc.ScrDeleteResonantModeSolution()
- oDoc.ScrDeleteSpiceSubcktSolution()
- oDoc.ScrDeleteSyzParameterSolution()
- oDoc.ScrDrawCapacitor ('Cappy','CL03A103KP3NNN',8500,4500,6000,- 500,'SURFACE','BASE',1E-07,1E-11,0)
- oDoc.ScrDrawCircle(100, 100, 20, 'Top Metal', 'NET-1', 'mm')
- oDoc.ScrDrawInductor('Indy','RLC_XYZ_ I',8500,4500,6000,1000,'SURFACE','BASE',1E-09)
- oDoc.ScrDrawPolygon([-10,10,5,-5,-25,-20,20,0], 'Top Metal', 'NET-1', 'mm')
- oDoc.ScrDrawPort ('Porty',8500,4500,6000,1000,'SURFACE','BASE',0.1)
- oDoc.ScrDrawRectangle (100, 100, 200, 200, 'Top Metal', 'NET-1', 'mm')
- oDoc.ScrDrawResistor('Resist','BBQ_ 4L1FE',8500,4500,6000,1000,'SURFACE','BASE',50)
- oDoc.ScrDrawTrace([-10,10,5,-5,-25,-20,20,0], '0.5', 'Top Metal', 'NET-1', 'mm')
- oDoc.ScrDrawVia(100, 100, 'Top Metal', 'Bottom Metal', 'Thru Via', 'NET-1', 0.0, 0.0, 0.0, 'mm')
- oDoc.ScrDrawVoltageProbe ('ProbeOno',6500,4000,5000,1500,'SURFACE','BASE')
- oDoc.ScrDrawVoltageSource('Sourcey','PRT1_ 00543',5000,4500,4500,3000,'SURFACE','BASE',1,0,1E-06)

- oDoc.ScrEditCktElemName('port_old', 'port', 'port_ new')
- oDoc.ScrEditLayerName('MY LAYER','MY NEW LAYER')
- oDoc.ScrEditMaterial('conductor', 'unobtanium', 5.7E+07, 0.5)
- oDoc.ScrEditNetName('MY NET', 'MY NEW NET')
- oDoc.ScrEditPadStackName('MY PADSTACK', 'MY NEW PADSTACK')
- oDoc.ScrEnableCavityFieldCoupling(1)
- oDoc.ScrEnableCoPlaneCoupling(1)
- oDoc.ScrEnableErcSimSetup(1)
- oDoc.ScrEnableFwsRelativeErrorTol(True)
- oDoc.ScrEnableIntraPlaneCoupling(1)
- oDoc.ScrEnableSplitPlaneCoupling(1)
- oDoc.ScrEnableTraceCoupling(1)
- oDoc.ScrExport3DModel ('Q3D','C:\SampleFiles\test.aedt')
- oDoc.ScrExportAnf('D:\Tests\testExport.anf')
- oDoc.ScrExportComponentFile ('D:\Tests\testExport.cmp')
- oDoc.ScrExportCpaSimReport('CPA Sim 1','C:\Directory')
- oDoc.ScrExportDcPowerDataToIcepak(True)
- oDoc.ScrExportDcPowerTree('DC Drop 1', 'D:\thresholds.csv', 'D:\pwrtree.png')
- oDoc.ScrExportDcSimReport('DC IR Sim 1', 'white', 'C:\Project1\report.htm')
- oDoc.ScrExportDcSimReportColorBarProperties (14,3,False,True)
- oDoc.ScrExportDcSimReportOptions(True, 'C:\Projects\filter.xml')
- oDoc.ScrExportDcSimReportScaling ('All','Voltage',0.00,50.0,True)
- oDoc.ScrExportDcSimReportUnits ('A/um^2','V','W/um^3')
- oDoc.ScrExportElementData('DC Script Sim', 'D:\Tests\viaReportOut.txt', 'Vias')
- oDoc.ScrExportIcepakProject('D:\icepakProj', 'DC Sim 1')
- oDoc.ScrExportIcepakSimReport("Icepak Script Sim", "D:\AutomationTest\ScriptReportTest.htm")
- oDoc.ScrExportIcepakSimReportColorBarProperties (14,3,False,True)
- oDoc.ScrExportIcepakSimReportScaling (0.00,50.0,False)
- oDoc.ScrExportIcepakSimReportUnits('F')
- oDoc.ScrExportLayerStackup ('C:\Documents\stack.stk')
- oDoc.ScrExportNamedSimToTouchstone('hfss_syz', 'Sim 1', 'D:\results')
- oDoc.ScrExportNetDelayReport ('C:/MyFiles/netdelay.htm','.*',",",1)
- oDoc.ScrExportSettingsFile('C:/Path/my_settings.sef')
- oDoc.ScrExportSettingsFileSetOptions([1,0,1,0,0,1,0])
- oDoc.ScrExportSyzSimToTouchstone('SYZ Sweep 1', 'C:\sweep1')
- oDoc.ScrExportToTouchstone ('D:\Tests\testExport.s2p')
- oDoc.ScrExportVprobeData('AC Sweep 1', 'C:\Files\probe_data.vpb')
- oDoc.ScrExportXfl('C:\Directory\filename.xfl')
- oDoc.ScrExportZ0ScanReport('Z0 Scan 1', 'D:\AutomationTest\ScriptReportTest.htm')
- oDoc.ScrExportZ0ScanReportColorBarProperties (14,3,False,True)
- oDoc.ScrExportZ0ScanReportScaling(0.00,50.0,True)
- oDoc.ScrFitAll()
- oDoc.ScrFitSelection()
- oDoc.ScrFwsEnforceCausality(True)
- oDoc.ScrGenerateConnectionReport('connRpt.html')
- oDoc.ScrGenerateICDieNetwork('CD90-P2913-1', 'U13', 'AGND', 'U13_AGND', '3.0mOhm', True, '', '', '', True, '', '')
- oDoc.ScrGetActiveComponentList('Current Sources')
- oDoc.ScrGetBondwiresOfBwModel('Z1-MT8530-LOOP1')
- oDoc.ScrGetBwModelNameList()
- oDoc.ScrGetCktElemTerminalNetNames ('C1','cap',pnet,nnet)
- oDoc.ScrGetComponentList('rlc, ports, integrated circuits')
- oDoc.ScrGetDcConnectedNets(netNameList, nets, cktElems)
- thermalDataDirBstr = [] oDoc.ScrGetDcThermalDataDir('DC IR Sim 1',thermalDataDirBstr)
- designBBox= [] oDoc.ScrGetDesignBoundingBox('mm',designBBox)
- oDoc.ScrGetDieLayerName('DIE')
- oDoc.ScrGetDieNameList()
- oDoc.ScrGetLayerMaterial('BOTTOM')
- oDoc.ScrGetLayerNameList()
- oDoc.ScrGetLayerThickness('TOP_LAYER')
- oDoc.ScrGetLayerType('SURFACE_LAYER')
- oDoc.ScrGetLayoutLengthUnit()
- oDoc.ScrGetMetalLayerFillerMaterial('LAYER3')
- oDoc.ScrGetNetlistOfBondwireProfile('Bw Profile')
- oDoc.ScrGetNetNameList()
- oDoc.ScrGetNetsAndCktElemsBetweenComponents ('288DIMMDDR4_EDGE_CONN-BASE', 'J1', 'DDR4_X4_ FBGA78-10X13','U1', nets2, elems2)
- oDoc.ScrGetNetsAndCktElemsBetweenNets('VDD', 'GND', nets, elems)
- oDoc.ScrGetPadstackNameList()
- oDoc.ScrGetPinGroupNameList()
- oDoc.ScrGetPinPadstackName('DIE','U1','394')
- oDoc.ScrGetPinsOnNet ('GND', 'ANY', '', pins, parts, refDesList)
- oDoc.ScrGetPinsOnPart('T1_A', 'U1', pins, nets)
- oDoc.ScrGetPwrGndNetNameList()
- oDoc.ScrGetRLCsBetweenNets(netsIn1, False, False, True, elems1)
- oDoc.ScrGetStackupLayerThickness('Layer 1')
- oDoc.ScrGetUniqueSimulationName('nf')
- oDoc.ScrImportAnf('C:\anfFiles\design1.anf')
- oDoc.ScrImportCapacitorDeratingTable ('C:\\csvfiles\\derating_table.csv','errors')
- oDoc.ScrImportComponentFile ('C:\ComponentFiles\design1.cmp')
- oDoc.ScrImportComponentMapFile ('C:\ComponentFiles\design1.cmp')
- oDoc.ScrImportCpaSimulationOptions('C:\Path\simulation_ settings.sws')
- oDoc.ScrImportCpmOrPloc ('C:\SAMPLEFILES\cpmfile.cpm','CSP_BGA','BGA','')
- oApp.ScrImportEDB('C:\Files\Edb')
- oApp.ScrImportGDSII('C:\Files\MyProject.gds','')
- oApp.ScrImportIPC2581('C:\Files\mydesign.cvg', 'C:\Files\controlfile.xml', 'C:\Files\partfile.dat')
- oDoc.ScrImportLayerStackup('C:\StackupFiles\stack1.stk')

- oDoc.ScrImportLayerStackupFile ('C:\StackupFiles\stack1.stk')
- oDoc.ScrImportLayerStackupXML ('C:\StackupFiles\stack1.xml')
- oDoc.ScrImportPmap('C:\Files\foo.pmap')
- oDoc.ScrImportSettingsFile('C:/Path/my_settings.sef')
- oDoc.ScrImportSIwaveSimulationOptions ('C:\Path\simulation_settings.sws')
- oDoc.ScrImportXfl('C:\Directory\filename.xfl')
- oDoc.ScrInterpolateSpectrum(True)
- oDoc.LogMessage('This is my message.')
- inNetNameList = ['NET_1','NET_2'] outNetNameList = obj.ScrMergeConnectedNets (inNetNameList)
- oDoc.ScrNetGetLength('HOT_INS_DIS', 'D1:HOT_INS_ DIS:292', 'P1:HOT_INS_DIS:E4')
- oDoc.ScrNetIsDisjoint('MY-NET')
- oDoc.ScrNetIsSelected('MY-NET')
- oDoc.ScrNetSeparate('MY-NET')
- oDoc.ScrNetSetDummy('MY-NET')
- oDoc.ScrNetSetSelected('MY-NET', 1)
- oDoc.ScrPlaceCircuitElement ('cap_1', 'cap_part', 0, 1, '100354431', 'Q3', 'pinGrp_4', 1, '100349132', 'U26', 'pinGroup_10', 4.7e-9, 2e-11, 3e-3, 0.0, 0.0, 0.0)
- oDoc.ScrPlaceCircuitElementsToNearestRefPin (3, 50.0, 'SQFP28X28_208', 'U1', 'ARBLINK', 'SQFP28X28_208', 'U2', 'GND', newElemList)
- oDoc.ScrPlaceFreqDependentSrc('I1', 4, 2, '1.0', '1.0', 'METAL-1', 2, '2.0', '1.0', 'METAL-1', 'e:\SrcFreqData.txt')
- portsCreated=[] oDoc.ScrPlacePortsAcrossRLCs (50,'C3A3','cap',portsCreated)
- portsCreated = [] oDoc.ScrPlacePortsAtPinsOnSelectedNets(50.0, 'MY_ NET', 1, portsCreated)
- oDoc.ScrPlacePortsAtPinsOnSelectedNetsExcludePart (50.0, 'GND', 'T1_A', 'U1', false, ports)
- oDoc.ScrPlacePortsAtPinsOnSelectedNetsPinNamesOut (50.0, 'GND', false, ports, posPins, refPins)
- oDoc.ScrPlotResModeVoltageDiff('Resonant Sim 1', 'SURFACE', 'INNER1')
- oDoc.ScrPreserveNetsGivenInFile('C:/My Files/nets.txt')
- sourceNames = [] loopResData = [] oDoc.ScrReadDCLoopResInfo('DC IR Sim 1', sourceNames, loopResData)
- oDoc.ScrRestoreResonantModeMinFreq()
- oDoc.ScrRunDcSimulation(1)
- oDoc.ScrRunFarFieldSimulation()
- oDoc.ScrRunFrequencySweepSimulation()
- oDoc.ScrRunIcepakSimulation('Icepak 4', 'DC IR Sim 1')
- oDoc.ScrRunInducedVoltageSimulation(1500000, 10, 45, 1, 3, 1)
- oDoc.ScrRunNearFieldSimulation(5.0, 0)
- oDoc.ScrRunResonantModeSimulation()
- oDoc.ScrRunSimulation('syz', 'SYZ Sweep 1')
- oDoc.ScrRunSpiceSubcktSimulation()
- oDoc.ScrRunSyzParameterSimulation()
- oDoc.ScrRunValidationCheck()
- oDoc.ScrRunValidationCheckWithOptions (['1','1','1','1','1','1','0','1','0'],'3')
- oDoc.ScrSanitizeLayout()
- oDoc.ScrSanitizeNets(['NET-1','NET-2','NET-3'])
- oDoc.ScrSaveProjectAs ('C:\Users\Ansys\Documents\ANSYS\pcb1')
- oDoc.ScrSaveSimulationMessages('Sweep1','C:\FilePath\')
- oDoc.ScrSaveToPngFile('D:/capture.png')
- oDoc.ScrSelectDcConnectedNets (['VCC','GND','Heq','NET-1','NET-2','PWR'])
- oDoc.ScrSelectNet('GND', 1)
- oDoc.ScrSelectNetsBetweenComponents('288DIMMDDR4_ EDGE_CONN-BASE', 'J1', 'DDR4_X4_FBGA78-10X13,,', 'U1')
- oDoc.ScrSelectNetsBetweenNets('VDD', 'GND')
- oDoc.ScrSeparateDisjointNets()
- oDoc.ScrSet4PtBwProfile('WB_PROFILE_1', 100, 200, 20)
- oDoc.ScrSet5PtBwProfile('WB_PROFILE_1', 100, 200, 20, 85, 5)
- oDoc.ScrSetAntiPadOnLayer('VIA_M1_M2', 'METAL-1', 'Rectangle', '0.1cm', '0.1cm')
- oDoc.ScrSetBwModel(bwList, 'WB_profile_1')
- oDoc.ScrSetBwSuppLayer(bwList, 'CU-1')
- oDoc.ScrSetBwTermLayer(bwList, 'WB_loop2')
- oDoc.ScrSetCapacitorDcBiasDeratingSim('Simulation Name')
- oDoc.ScrSetCapacitorTemperatureDeratingSim ('Simulation Name')
- oDoc.ScrSetConformalCoatLayers(1)
- oDoc.ScrSetCrosstalkScanParameters(15, 30, 12, 24, 1000000000, 1.2)
- oDoc.ScrSetCrossTalkThreshold(-60.0)
- oDoc.ScrSetDcMinPlaneAreaToMesh('5669.2mil2')
- oDoc.ScrSetDcMinVoidAreaToMesh('3199.01mil2')
- oDoc.ScrSetDcPowerDataThresholds(12.0, 1.75)
- oDoc.ScrSetDieElevation('DIE_1', 100.0)
- oDoc.ScrSetDieThickness('DIE_1', 100.0)
- oDoc.ScrSetEmiScannerParameters ('C:/Projects/rules.xml', 0, 'C:/Projects/tags.tgs')
- oDoc.ScrSetEnergyErrorPercentInDcSimulation('5.1')
- oDoc.ScrSetExternalExcitations('C:\sources.txt')
- oDoc.ScrSetFarFieldSimOptions(0, 360, 10, 0, 180, 10)
- oDoc.ScrSetFwsColFitOptions(0)
- oDoc.ScrSetFwsLaunchDesignerNexxim(1)
- oDoc.ScrSetFwsPassivityAlg(0)
- oDoc.ScrSetFwsPortRefZ(True, 75.0)
- oDoc.ScrSetFwsPzOptions(0.001, 200)
- oDoc.ScrSetFwsSsfAlg(0)
- oDoc.ScrSetFwsSubcktFormat(0)
- oDoc.ScrSetFwsUseCommonGround(True)
- oDoc.ScrSetHFSS3DLayoutSimOptions ('c:\simsettings.dss')
- oDoc.ScrSetHpcLicenseType('pack')
- oDoc.ScrSetHpcLicenseVendor('Electronics')
- oDoc.ScrSetIcepakBoardOutlineFidelity(1.5)
- oDoc.ScrSetIcepakCabinetDimensions(35.0, 125.0, 55.0)
- oDoc.ScrSetIcepakComponentConfig ('D:\Tests\IcepakScriptTest.pwrd')
- oDoc.ScrSetIcepakMeshingDetail('basic')
- oDoc.ScrSetIcepakSimReportImageHeight(1024)
- oDoc.ScrSetIcepakTemperatureFile('d:/abcd.sitemp')

- oDoc.ScrSetIcepakThermalEnv(True, True, 22.3, '+Y', 2.5, 0.0, '', 0.0, 0.0, 0.0, 0.0)
- oDoc.ScrSetIdealGroundNodeInDcSimulation('VU6', 1)
- oDoc.ScrSetInducedVoltageMultipleIncidenceSpherical (0, 20, 5, 90, 105, 5, 0, 0, 0, 1)
- oDoc.ScrSetInducedVoltageSingleIncidenceCartesian (1, 0, 0, 0, 1, 1, 1)
- oDoc.ScrSetInducedVoltageSingleIncidenceSpherical (10, 45, 1, 3, 1)
- oDoc.ScrSetInfiniteGroundPlaneLocation('3.1')
- oDoc.ScrSetLayerMaterial('SURFACE', 'copper')
- oDoc.ScrSetLayerThickness('SURFACE', 0.035, True)
- oDoc.ScrSetLayerType('layer name', 1)
- oDoc.ScrSetLayerVisibility('L1', True, True, True, True, False)
- oDoc.ScrSetLayoutLengthUnit('um')
- oDoc.ScrSetLocalRefinementPercentInDcSimulation (20)
- oDoc.ScrSetLogFreqPointDist(1)
- oDoc.ScrSetLowBwProfile('WB_PROFILE_1', 100, 200, 20, 85, 5, 'mm')
- oDoc.ScrSetMaxRefinePassesInDcSimulation(5)
- oDoc.ScrSetMeshBondwiresInDcSimulation(1)
- oDoc.ScrSetMeshViasInDcSimulation(True)
- oDoc.ScrSetMetalLayerFillerMaterial('SURFACE', 'FR-4')
- oDoc.ScrSetMinCutoutArea(10, 'mm')
- oDoc.ScrSetMinPadAreaToMesh('112000mil2')
- oDoc.ScrSetMinPlaneAreaToMesh('5769.2mil2')
- oDoc.ScrSetMinRefinePassesInDcSimulation(1)
- oDoc.ScrSetNearFieldMeshingFrequencyDefault()
- oDoc.ScrSetNearFieldMeshingFrequencyPoints (['5e+10','1e+11','1.2e+11'])
- oDoc.ScrSetNearFieldMeshingFrequencyRange (5e+10,1e+11)
- oDoc.ScrSetNearFieldSamplePointSpacing(132.034)
- oDoc.ScrSetNearFieldSolverOptions(1, 10, 0.5)
- oDoc.ScrSetNearFieldSurfaceOffset(1.0, 1.0, 1.0, 1.0, 1.0, 1.0)
- oDoc.ScrSetNumBondwireSidesInDcSimulation(12)
- oDoc.ScrSetNumCpusToUse(4)
- oDoc.ScrSetNumModesToCompute(10)
- oDoc.ScrSetNumViaSidesInDcSimulation(8)
- oDoc.ScrSetOptionsFor3DModelExport ('C:\Files\options.config')
- oDoc.ScrSetPadOnLayer('VIA_M1_M2', 'METAL-1', 'Circle', '0.6mm', '0.6mm')
- oDoc.ScrSetPadstackMaterial('VIA_M1_M2', 'magnesium')
- oDoc.ScrSetPadstackViaPlatingAbsolute('VIA_M1_M2', '0.1mm')
- oDoc.ScrSetPadstackViaPlatingRatio('VIA_M1_M2', 0.6)
- oDoc.ScrSetPlotAfterDcSimulation(True)
- oDoc.ScrSetPlotLayers('L2','GND')
- oDoc.ScrSetPlotSyzMag(1)
- oDoc.ScrSetPlotSyzPhase(1)
- oDoc.ScrSetPortNamingConvention('TestPort_ $POSTERMINAL_$NETNAME_Test')
- oDoc.ScrSetPowerGroundNets (['Net1','Net2','Net3'],1)
- oDoc.ScrSetPowerGroundNetsFromFile ('C:\Files\power_ground_nets.txt',1)
- oDoc.ScrSetProjectModified(1)
- oDoc.ScrSetPsiOptionsFromFile('D:\Tests\Test.sps')
- oDoc.ScrSetPsiPortType('Port1','Lumped')
- oDoc.ScrSetPsiSyzInterpOptions(1, 0, 1, 1)
- oDoc.ScrSetRefineBondwiresInDcSimulation(1)
- oDoc.ScrSetRefineDcSimulation(1)
- oDoc.ScrSetRefineViasInDcSimulation(1)
- oDoc.ScrSetRemoveCutoutsByArea(1)
- oDoc.ScrSetResonantModeMaxFreq(2E+06)
- oDoc.ScrSetResonantModeMinFreq(2E+06)
- oDoc.ScrSetRLCValues('RLC_XYZ_R', '1.5kohm', '1e- 12h', '1uf')
- oDoc.ScrSetSignalNets(['Net1','Net2','Net3'],1)
- oDoc.ScrSetSignalNetsFromFile('C:\Files\signal_ nets.txt',1)
- oDoc.ScrSetSimulationName('syz', 'S-param no caps')
- oDoc.ScrSetSketchedBwProfile('WB_PROFILE_1', 'SketchedProfile.bwp', 20)
- oDoc.ScrSetSketchedBwProfileFromArray('BW_PROFILE_ 1', 'micron', [0.0,400.0,300.0,700.0,900.0,700.0,1200.0,300.0], 20)
- oDoc.ScrSetSnapLengthThreshold('0.0734235mil')
- oDoc.ScrSetSolderballMaterial('BP_BOT_500X600', 'silver')
- oDoc.ScrSetSolderballParameters('BUMPPAD', 1, 100, 30)
- oDoc.ScrSetSourceMagnitude('I_1', '2.5A')
- refdes1 = ['A1'] pinorder1 = [] doc.ScrSetSparamModelSetup('TESTPART', refdes1, 'D:\Tests\US142197\DLP11TB800UL2.s4p', 'Model1', 'NET_9', pinorder1)
- refdes2 = ['A2'] pinorder2 = ['4', '3', '2', '1'] oDoc.ScrSetSpiceModelSetup('TESTPART', refdes2, 'D:\Tests\US142197\testmod.sp', 'Model2', pinorder2)
- oDoc.ScrSetSpiceSubcktFormat('PSPICE')
- oDoc.ScrSetStackupLayerThickness('LAYER-1', '0.79mils', 1)
- oDoc.ScrSetStackupLayerThicknessUnit('um')
- oDoc.ScrSetSweepFreqRange(5.0,5.0)
- oDoc.ScrSetSweepMaxFreq(5.0)
- oDoc.ScrSetSweepMinFreq(5.0)
- oDoc.ScrSetSweepNumFreqPoints(200)
- oDoc.ScrSetSyzInterpSweep(True)
- oDoc.ScrSetSyzInterpSweepParams(0.005, 150)
- parts = ["G83568-001", "IPD031-201"] refdes = ["U1A1", "U2A5"] pins = ["K7", "9"] impedances = ["55ohms", "60"] types = ["0", "1"] risetimes = ["0", "6ns"] voltages = ["0", "1.2V"] oDoc.ScrSetTDCrosstalkScanParameters(parts, refdes, pins, impedances, types, risetimes, voltages)
- oDoc.ScrSetThermalPadOnLayer('VIA_M1_M2', 'METAL- 1', 'Rectangle', '1.2mm', '1.2mm')
- oDoc.ScrSetTouchstoneExportFormatToDb(1)
- oDoc.ScrSetTouchstonePortOrder(['port1','port2'])
- oDoc.ScrSetTouchstonePortRemapping('left', 'foo')
- oDoc.ScrSetTraceCouplingDistance('7.79', 'mils')
- oDoc.ScrSetZ0ScanParameters(50,15,30)
- oDoc.ScrSetZ0ScanReportImageHeight(3000)
- oDoc.ScrShowSelectedNetsOnly(1)

- oDoc.ScrSIwaveEnable_3D_DDM(True)
- oDoc.ScrSIwaveEnableReturnCurrentDistribution(1)
- oDoc.ScrSIwaveIncludeSourceParasitics(1)
- oDoc.ScrSIwaveSyzComputeExactDcPoint(True)
- oDoc.ScrSIwaveSyzEnforceCausality(True)
- oDoc.ScrSIwaveSyzEnforcePassivity(True)
- oDoc.ScrUnselectAll()
- oDoc.ScrUpdateComponentTree()
- oDoc.ScrUseIcepakTemperatureDataInDc(True)
- oDoc.ScrUseTouchstonePortRemapping(1)
- oDoc.Solve('Near Field Sim 1')
- oDoc.StopSimLink(121, 1)
- oDoc.SupportSParamLink()