DDFT_2D

do2Phase
doHI
doHIWall
doSubArea
dynamicsResult
FilenameDyn
FilenameEq
IDC
Int_of_path
IntMatrFex
IntMatrHI
IntMatrV2
IP
mu
optsNum
optsPhys
subArea
VAdd
Vext
Vext_grad
x_eq

+DDFT_2D (configuration)
+ComputeDynamics ( )
+ComputeDynamicsInertia ( )
+ComputeDynamicsWallHI ( )
+ComputeEquilibrium (rho_ig, optsIn, miscIn)
+getInitialGuess (rho_ig)
+GetRhoEq ( )
+PlotDynamics (rec)
+Preprocess ( )
+Preprocess_ExternalPotential ( )
+Preprocess_HardSphereContribution ( )
+Preprocess_HIContribution ( )
+Preprocess_MeanfieldContribution ( )
+Preprocess_SubArea ( )
+ResetTemperature (T)

DiffuseInterface

a
configName
errors
filename
IC
IntSubArea
IsolineInterfaceY2
optsNum
optsPhys
phi
StagnationPoint
theta
uv

+DiffuseInterface (config)
+AddStreamlines ( )
+ComputeInterfaceContour ( )
+ContinuityMomentumEqs (phi)
+DisplayFullError ( )
+Div_FullStressTensor (phi)
+FindInterfaceAngle (phi)
+FindStagnationPoint (iguess1, iguess2)
+FullStressTensorIJ (phi, i, j)
+Get_a_deltaX (phi, theta)
+GetBoundaryCondition (theta, phi)
+GetDeltaX (phi, theta)
+GetEquilibriumDensityR (mu, theta, nParticles, phi, ptC)
+GetMu (phi)
+InitialGuessRho ( )
+PlotErrorIterations ( )
+PlotInterfaceAnalysis ( )
+PlotResultsMu ( )
+PlotResultsPhi ( )
+PlotSeppecherSolution (theta, phi)
+PlotU (uv, y1Pts, y2Pts)
+Preprocess ( )
+ResetOrigin (phi)
+ResetOrigin_MassFlux ( )
+SavePlotResults ( )
+SetD_B (theta, phi, initialGuessDB)
+SolveFull (ic)

ContactLineHS

AdsorptionIsotherm
alpha_YCA
CA_deg_measured
CA_deg_measured_error
configName
DiffY2
disjoiningPressure_II
disjoiningPressureCheck
f_hs
f_loc
grandPot
grandPot2
hContour
hI
hII
hIII
Int_y2
IsolineInterfaceY2
rho1D_lg
rho1D_wg
rho1D_wl
saveFigs
ST_1D
wIntHS
wIntLoc
y1_I
y1_SpectralLine
y2

+ContactLineHS (configuration)
+Compute ( )
+Compute1D (WLWGLG)
+Compute_DisjoiningPressure_II (y1Int)
+Compute_hContour (level)
+Compute_hI ( )
+Compute_hII ( )
+Compute_hIII ( )
+ComputeAdsorptionIsotherm (n, drying)
+ComputeDeltaFit ( )
+ComputeDynamics ( )
+ComputeEquilibrium ( )
+ComputeEquilibrium2 ( )
+ComputeInterfaceContourY2 (level, y2)
+ComputeST ( )
+doIntNormalLine (y2Max, y1, f_loc, f_hs)
+FittingAdsorptionIsotherm (FT_Int, n)
+GetDisjoiningPressure_I ( )
+getInitialGuess (rho_ig)
+GetPointAdsorptionIsotherm (ell)
+InitAnalysisGridY ( )
+InitInterpolation (bounds1, bounds2)
+IsDrying ( )
+MeasureContactAngle (type, yInt)
+PlotContourResults (plain)
+PlotDensityResult ( )
+PlotDensitySlices ( )
+PlotDensitySlicesMovie ( )
+PlotDisjoiningPressureAnalysis ( )
+PlotDisjoiningPressures ( )
+PlotInterfaceAnalysisY1 ( )
+PlotInterfaceAnalysisY2 (yInt)
+PlotInterfaceResults ( )
+PostProcess (y1Int)
+Preprocess ( )
+SetV1 (epw)
+SolveLubrication ( )
+SumRule_AdsorptionIsotherm (ST_LG)
+SumRule_DisjoiningPressure_II (ST_LG)
+TestPreprocess ( )

DiffuseInterfaceBinaryFluid

mu
p
s

+DiffuseInterfaceBinaryFluid (config)
+CheckResultResolution ( )
+ContinuityMomentumEqs (phi, mu)
+ContinuityMomentumEqs_mu_p_uv (phi)
+DisplayFullError ( )
+FullStressTensorIJ ( )
+GetEquilibriumDensity (mu, theta, phi, findTheta)
+GetEquilibriumDensity_Flux (theta, phi, uv)
+GetInitialCondition ( )
+GetVelocityAndChemPot (phi, mu, theta)
+GetVelocityPressureAndChemPot (phi, theta)
+IterationStepFullProblem (vec)
+PlotU ( )
+SavePlotResults ( )
+SolveMovingContactLine (noIterations)
+SolvePhasefieldForChemPot (uv, phi)

DiffuseInterfaceSingleFluid

mu

+DiffuseInterfaceSingleFluid (config)
+ContinuityMomentumEqs (phi)
+DisplayFullError (phi, uv)
+FullStressTensorIJ (phi, i, j)
+GetEquilibriumDensity (mu, theta, phi, findTheta)
+GetEquilibriumDensityR ( )
+GetInitialCondition ( )
+GetPressure_from_ChemPotential (mu, phi_ig)
+GetVelocityAndChemPot (phi, theta)
+IterationStepFullProblem (noIterations)
+SolveMovingContactLine (maxIterations)