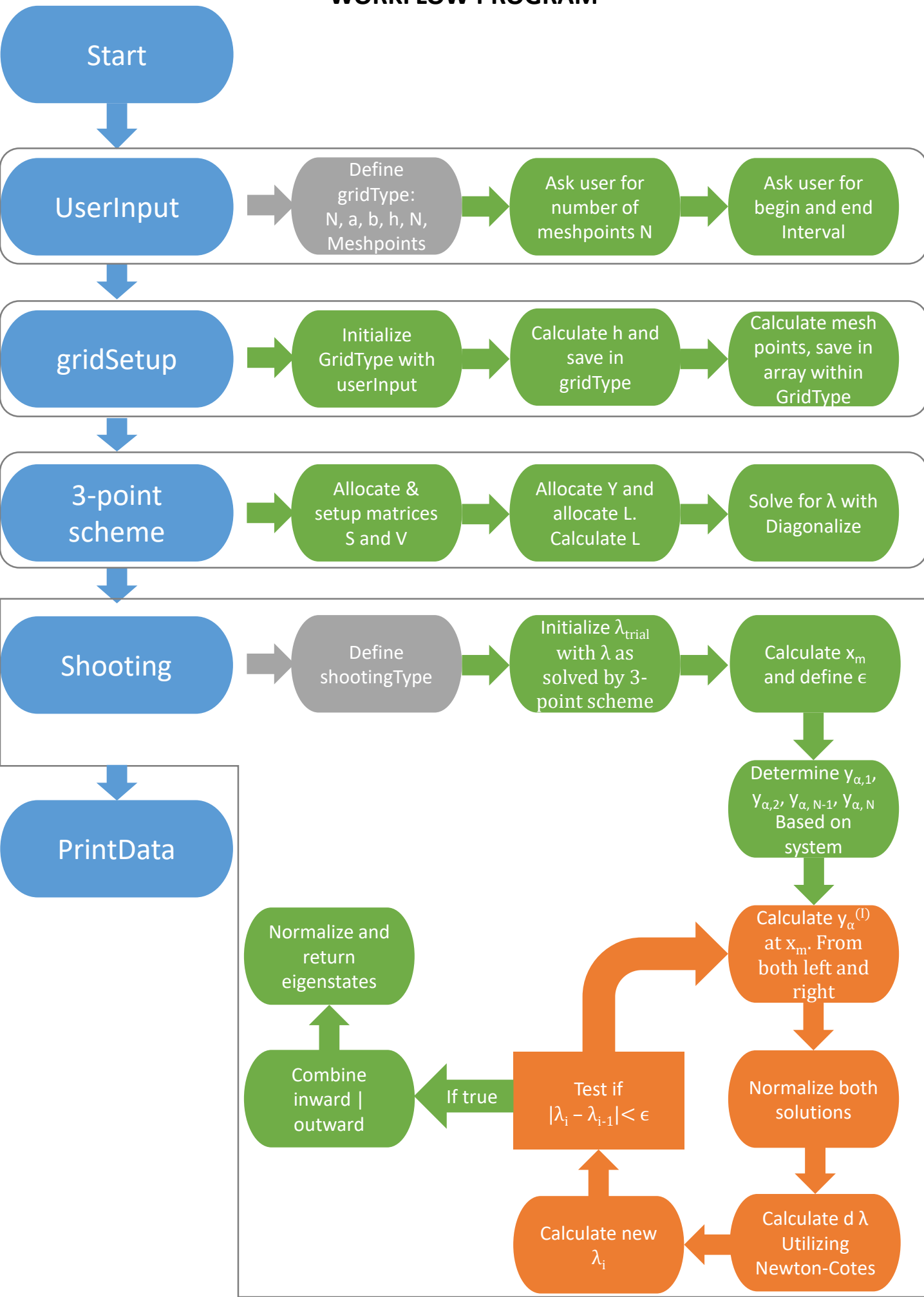
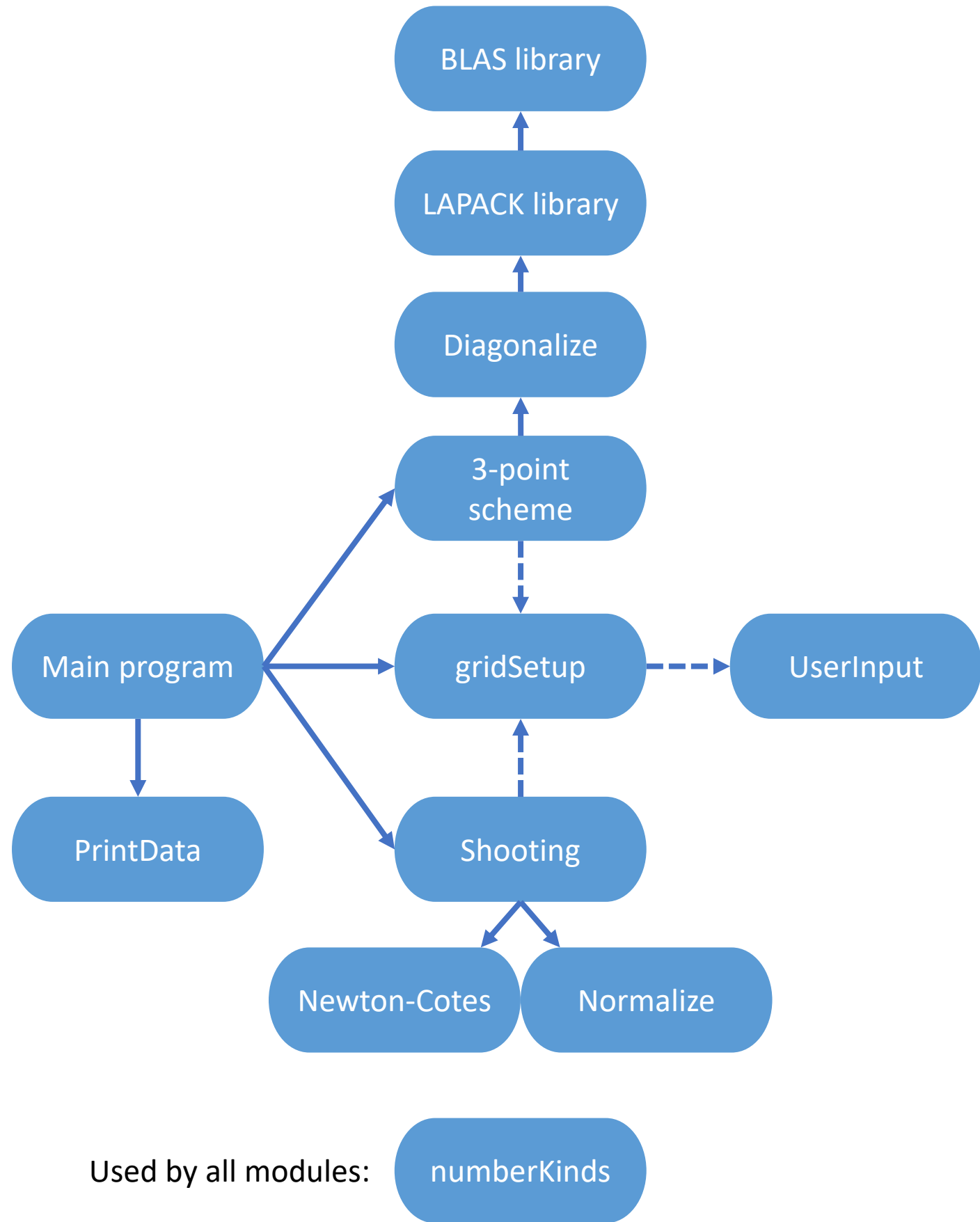


WORKFLOW PROGRAM



DESIGN PROGRAM
ADTs & RELATIONSHIPS



DATATYPES

gridType:

Integer	::	numberOfPoints
Real	::	startInterval, endInterval
Real	::	distanceBetweenPoints
Real, allocatable	::	Meshpoints(:)

End type

threePointSchemeType:

Real, allocatable	::	S(:, :), V(:, :), L(:, :)
Real, allocatable	::	eigenVectors(:, :)
Real, allocatable	::	eigenValues(:)

End type

shootingType:

Real	::	boundaryConditions(4)
Real	::	x_m
Real, allocatable	::	potential(:)
Real, allocatable	::	eigenValues(:)
Real, allocatable	::	yInwards(:)
Real, allocatable	::	yOutward(:)
Real	::	dEigenValue

End type