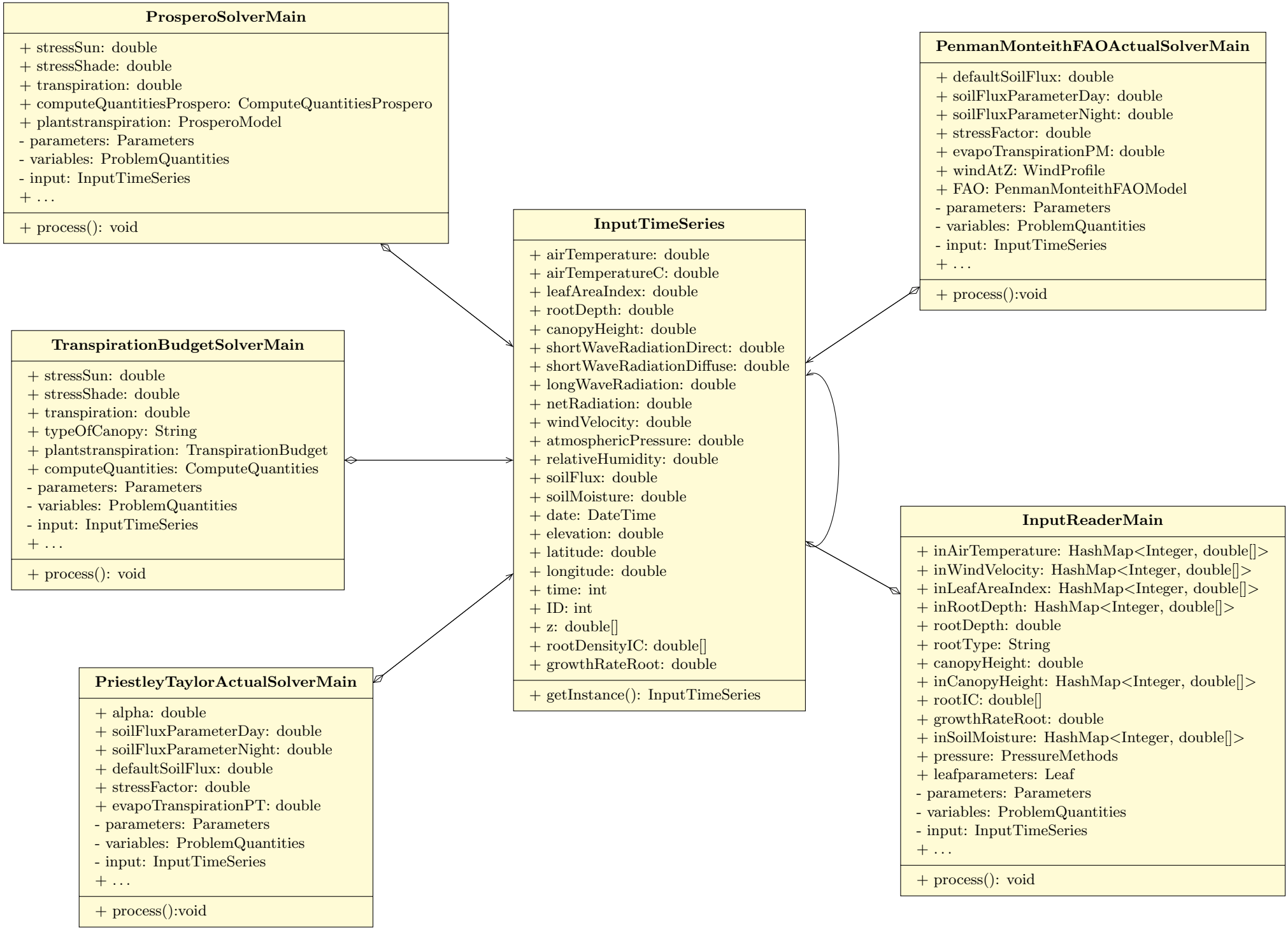
ProsperoSolverMain
+ stressSun: double
+ stressShade: double
+ transpiration: double
+ computeQuantitiesProspero: ComputeQuantitiesProspero
+ plantstranspiration: ProsperoModel
- parameters: Parameters
- variables: ProblemQuantities
- input: InputTimeSeries
+ ...
+ process(): void
PenmanMonteithFAOActualSolverMain
+ defaultSoilFlux: double
+ soilFluxParameterDay: double
+ soilFluxParameterNight: double
+ stressFactor: double
+ evapoTranspirationPM: double
+ windAtZ: WindProfile
+ FAO: PenmanMonteithFAOModel
- parameters: Parameters
- variables: ProblemQuantities
- input: InputTimeSeries
+ ...
+ process():void
InputTimeSeries
+ airTemperature: double
+ airTemperatureC: double
+ leafAreaIndex: double
+ rootDepth: double
+ canopyHeight: double
+ shortWaveRadiationDirect: double
+ shortWaveRadiationDiffuse: double
+ longWaveRadiation: double
+ netRadiation: double
+ windVelocity: double
+ atmosphericPressure: double
+ relativeHumidity: double
+ soilFlux: double
+ soilMoisture: double
+ date: DateTime
+ elevation: double
+ latitude: double
+ longitude: double
+ time: int
+ ID: int
+ z: double[]
+ rootDensityIC: double[]
+ growthRateRoot: double
+ getInstance(): InputTimeSeries
TranspirationBudgetSolverMain
+ stressSun: double
+ stressShade: double
+ transpiration: double
+ typeOfCanopy: String
+ plantstranspiration: TranspirationBudget
+ computeQuantities: ComputeQuantities
- parameters: Parameters
- variables: ProblemQuantities
- input: InputTimeSeries
+ ...
+ process(): void
InputReaderMain
+ inAirTemperature: HashMap<Integer, double[]>
+ inWindVelocity: HashMap<Integer, double[]>
+ inLeafAreaIndex: HashMap<Integer, double[]>
+ inRootDepth: HashMap<Integer, double[]>
+ rootDepth: double
+ rootType: String
+ canopyHeight: double
+ inCanopyHeight: HashMap<Integer, double[]>
+ rootIC: double[]
+ growthRateRoot: double
+ inSoilMoisture: HashMap<Integer, double[]>
+ pressure: PressureMethods
+ leafparameters: Leaf
- parameters: Parameters
- variables: ProblemQuantities
- input: InputTimeSeries
+ ...
+ process(): void
PriestleyTaylorActualSolverMain
+ alpha: double
+ soilFluxParameterDay: double
+ soilFluxParameterNight: double
+ defaultSoilFlux: double
+ stressFactor: double
+ evapoTranspirationPT: double
- parameters: Parameters
- variables: ProblemQuantities
- input: InputTimeSeries
+ ...
+ process():void