class PoMiN

private 3×N vector < vector < Yester Kangale My vector (vector (a) 3×N no slow 3×N adot, polot vactor Kandleta NXN [-]ab -> NXN int N En Smallest double N Pa2 N×N Tab

Needs Methods Calls Computes Cake Phi Olamiltonian Hamilton Equations gestal lupping adot, pdot DHamiltonian [-Jab, a,b Calc Phi Calc Hamiltonian

cak Phi Ho, H, Hz, Hz abstract class variable get() set(__) Variable data private double / quad quad var 1 & Edouble var set (quad) set (double)

Class RK4

Data

timostep

double

Courant

double

Methods
Needs

Calc Timestep

Smallest
2 part # at b] From
PoMiN

PoMiN

Himestep

Computes

timestep

P, q pdot, gdot

Class PoMiN		double quad
Data Public: 9 N Potimestep 9 dot mass pdot Methods	Private: rsmallest 2 part #\$ Oab, Yba, ma, pa Ho, H1, H2, H3 Inputs (Paramss)	Computes Computes
Calc Timester	everything	rsmallest, Oab, yba, m, Pa, Gb, qdot, pdot = ==================================
Hamilton Equation Calc	nian	preveg cath Cak Phi Calls: Cake Phi Orerey: call Cake Phi
RK4	timestep P, 9 polot, gdot	Call Hamilton Equations