```
Simulation< double
                      [], Mesh, VRRaycastableMesh,
                            VRGrabbableMesh >
                      + dryRun
                      + startOnAwake
                      + viz
                      # mutex

    solveThread

                      + GetValues()
                      + Initialize()
                      + Update()
                      + StartSimulation()
                      + StopSimulation()
                      # BuildVisualization()
                      # UpdateVisualization()
                      # Solve()
                      # PreSolve()
                      # OnAwakePre()
                      # OnAwakePost()
                      # OnStart()
                      # OnUpdate()
                      # OnPause()
                      # OnQuit()
                      - OnApplicationPause()
                      - OnApplicationQuit()
                     C2M2.Simulation.MeshSimulation
                     + gradient
                     + extremaMethod
                     + globalMax
                     + globalMin
                     + rulerInitPos
                     + rulerInitRot
                     + colorLUT
                     + VisualMesh
                     + ColliderMesh
                       visualMesh
                     - colliderMesh
                     - mf
                     # UpdateVisualization()
                     # OnAwakePost()
                     - UpdateVisualization()
C2M2.NeuronalDynamics.Simulation.
           NDSimulation
+ VisualInflation
+ ColliderInflation
+ RefinementLevel
+ AverageDendriteRadius
                                           C2M2.Simulation.Samples.
                                            CombinedMeshSimulation
- visualInflation
                                           - values

    colliderInflation

- refinementLevel
                                           + GetSimulationTime()
                                           + GetValues()
                                           + SetValues()
                                           # BuildVisualization()
                                           # Solve()
                                           - CombineMeshes()
                                           - CombineMeshes()
- averageDendriteRadius
- raycastManager
+ OnVisualInflationChangeDelegate()
+ Set1DValues()
+ Get1DValues()
+ SwitchColliderMesh()
# BuildVisualization()
- CheckMeshCache()
- UpdateGrid1D()
- Update2DGrid()
 C2M2.NeuronalDynamics.Simulation.
        SparseSolverTestv1
 - saveMatrices
```

+ visualize1D + color1D + lineWidth1D + vrnFileName + hitValue + clamps

+ ClampMode + VrnReader + Grid1D + Verts1D + Grid2D + NeuronCell

+ Map

+ Mapping

+ Scalars3D

- meshCache

- clampMode

- vrnReader

- neuronCell

- scalars3D

+ GetValues() + SetValues() + SetValues()

+ SwitchMesh() # OnAwakePre() # OnStart()

+ vstart + endTime

+ k + SomaOn

- res - cap - gk - gna - gl - ek - ena - el - ni

and 7 more...

PreSolve() # Solve()

- reactF() - fN() - fM() - fH() - an() - bn() - am() - bm() ah() - bh()

+ Get1DValues() + Set1DValues()

+ GetSimulationTime()

+ makeSparseStencils()

- InitializeNeuronCell()

- grid1D

- grid2D

- map - mapping