

CrossMinimization

- graph: DirectedGraph [1]

- cycles: Set [1]

+ minimizeCrossings(in graph: DirectedGraph)

CycleRemoving

- graph: DirectedGraph [1]

- cycles: Set [1]

- removeCycles(in graph: DirectedGraph): Set

G

EdgeDrawing

- graph: DirectedGraph [1]

- cycles: Set [1]

+ drawEdges(in graph: DirectedGraph)

+ revertCycles(in cycles: Set)

VertexPositioning

- graph: DirectedGraph [1]

- cycles: Set [1]

+ positionVertices(in graph: DirectedGraph)

SugiyamaLayoutAlgorithm

+ getParameterDialog()

+ getSettings(): Settings

+ layout(in graph: G)

+ getName(): String

+ getID(): String

+ onLoad()

LayerAssigning

- graph: DirectedGraph [1]

- cycles: Set [1]

- assignLayers(in graph: DirectedGraph)

- minimizeHeight(in graph: DirectedGraph, in height: Integer)

- minimizeEdgeLength(in graph: DirectedGraph, in edgeLength: Integer)

- minimizeWidth(in graph: DirectedGraph, in width: Integer)