Body

- - int refCount_

- + Body()
- + void attach()
- + void detach()
- + int refCount()
- + virtual ~Body()
- - Body(const Body &)
- - Body & operator=(const Body &)

Modelimpl

- # vector< System * > systemVector
- # vector< Flow * > flowVector
- # string name
- # static vector< Model * > modelVector

- + System & createSystem (string name, double value)
- + System & createSystem()
- + System & createSystem (string name)
- + System & createSystem (double value)
- + System & createSystem (System &system)
- + Modelimpl()
- + Modelimpl(Model &model)
- + Modelimpl(string name)
- + Modelimpl(System *systems)
- + Modelimpl(Flow *flows)
-   and 16 more...
- + static Model & createModel()
- + static Model & createModel (string name)
- + static Model & createModel (System *systems)
- + static Model & createModel (Flow *flows)
- + static Model & createModel (string name, System *systems, Flow *flows)
- + static Model & createModel (Model &copiedModel)
- # Modelimpl & operator =(const Modelimpl &other)

Flowimpl

- # string name
- # double value
- # System * origin
- # System * destination

- + Flowimpl()
- + Flowimpl(Flow &flow)
- + Flowimpl(string name, double value, System *origin, System *destination)
- + virtual ~Flowimpl()
- + virtual double run()=0
- + bool setOrigin(System *system)
- + bool setDestination (System *system)
- + System * getOrigin () const
- + System * getDestination () const
- + bool setName(string name)
- + bool setValue(double value)
- + string getName() const
- + double getValue() const
- + bool operator==(const Flow &other) const

Systemimpl

- # double value
- # string name

- + Systemimpl()
- + Systemimpl(System &system)
- + Systemimpl(double value)
- + Systemimpl(string name)
- + Systemimpl(double value, string name)
- + virtual ~Systemimpl()
- + double getValue() const
- + bool setValue(double value)
- + const string getName () const
- + bool setName(string name)
- + Systemimpl & operator =(const Systemimpl &other)
- + bool operator==(const System &other) const

ComplexFlow

- + ComplexFlow()
- + ComplexFlow(string name, double value, System *origin, System *destination)
- + ComplexFlow(Flow &flow)
- + double run()

ExponentialFlow

- + ExponentialFlow()
- + ExponentialFlow(string name, double value, System *origin, System *Destination)
- + ExponentialFlow(Flow &flow)
- + double run()

LogisticalFlow

- + LogisticalFlow()
- + LogisticalFlow(string name, double value, System *origin, System *Destination)
- + LogisticalFlow(Flow &flow)
- + double run()