jsGameLib

Image7.png

rfrance

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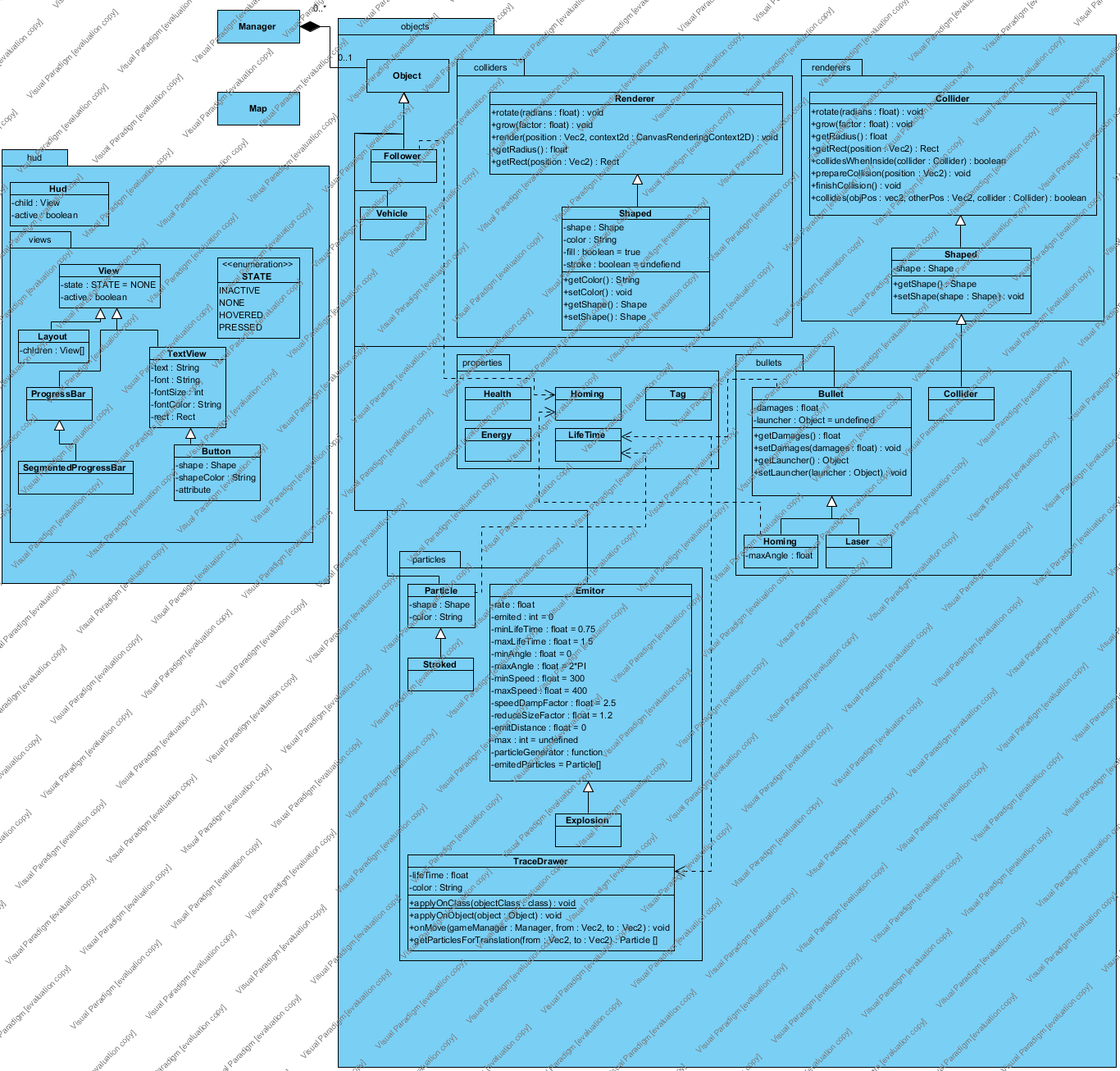
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Class Diagram

# Game



|  |  |
| --- | --- |
| **Name** | **Value** |
| Name | Game |
| Author | rfrance |
| Create Date Time | 19 mars 2016 22:35:03 |
| Last Modified | 8 avr. 2016 14:03:22 |
| Teamwork Create Date Time | 1 janv. 1970 01:00:00 |
| Point Connector End To Compartment Member | true |

## Summary

|  |  |
| --- | --- |
| **Name** | **Description** |
| Image1.png [Manager](#JZJqicqD.AAAAQrR) |  |
| Image2.png [objects](#vopzCcqD.AAAAQOg) |  |
| Image1.png [Object](#MP9zCcqD.AAAAQPI) |  |
| Image2.png [colliders](#VFV7CcqD.AAAAQTM) |  |
| Image2.png [renderers](#04h7CcqD.AAAAQS0) |  |
| Image1.png [Map](#Pg9GicqD.AAAAQuh) |  |
| Image1.png [Renderer](#ybJ3CcqD.AAAAQaV) |  |
| Image1.png [Collider](#2Kd7CcqD.AAAAQTb) |  |
| Image2.png [hud](#MCBx68qGAqACSAdJ) |  |
| Image1.png [Follower](#GMclKcqD.AAAAQzL) |  |
| Image1.png [Hud](#Dgxx68qGAqACSAdf) |  |
| Image1.png [Vehicle](#eM3lKcqD.AAAAQ1S) |  |
| Image1.png [Shaped](#5mZPCcqD.AAAAQbX) |  |
| Image2.png [views](#_2zx68qGAqACSAe3) |  |
| Image1.png [Shaped](#U977CcqD.AAAAQT0) |  |
| Image1.png [STATE](#pJZp68qGAqACSAic) |  |
| Image1.png [View](#ZUvJ68qGAqACSAhW) |  |
| Image1.png [Layout](#Wsk568qGAqACSAlC) |  |
| Image1.png [TextView](#7r2F68qGAqACSAmr) |  |
| Image2.png [properties](#Xb5zCcqD.AAAAQOr) |  |
| Image2.png [bullets](#yUkVKcqD.AAAAQ10) |  |
| Image1.png [ProgressBar](#d1BHG8qGAqACSAp5) |  |
| Image1.png [Health](#tBEfCcqD.AAAAQeO) |  |
| Image1.png [Homing](#tD_fCcqD.AAAAQf6) |  |
| Image1.png [Tag](#h7XgicqD.AAAAQij) |  |
| Image1.png [Bullet](#0kqVKcqD.AAAAQ2P) |  |
| Image1.png [Collider](#vJz1KcqD.AAAAQ4S) |  |
| Image1.png [Energy](#e2tfCcqD.AAAAQfL) |  |
| Image1.png [LifeTime](#rLHgicqD.AAAAQiW) |  |
| Image1.png [Button](#apgl68qGAqACSAny) |  |
| Image1.png [SegmentedProgressBar](#6o_cu8qD.AAAAQd9) |  |
| Image1.png [Homing](#YON1KcqD.AAAAQ4C) |  |
| Image1.png [Laser](#23BNKcqD.AAAAQ5_) |  |
| Image2.png [particles](#CE4tKcqD.AAAAQ6o) |  |
| Image1.png [Particle](#LyitKcqD.AAAAQ6z) |  |
| Image1.png [Emitor](#fq59KcqD.AAAARA_) |  |
| Image1.png [Stroked](#Y.i9KcqD.AAAARAU) |  |
| Image1.png [Explosion](#ARuTKcqD.AAAAREe) |  |
| Image1.png [TraceDrawer](#CK9PKcqD.AAAARFJ) |  |

## Details

### Image3.png Manager

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:04:24 | | Last Modified | 20 mars 2016 15:56:13 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private objects : Object** | | | |
| Description | divided in three parts :  - active : active objects in game  - toAdd : objects that need to be added in the game  - toRemove : objects that need to be removed from the game | | |
| Type Modifier | [] | | |
| Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:05:00 | | Last Modified | 20 mars 2016 01:16:57 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private now : int** | | | |
| Type | Image4.png int | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:05:57 | | Last Modified | 20 mars 2016 01:16:57 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private gameMap : Game.Map** | | | |
| Type | Game.Map | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:08:34 | | Last Modified | 20 mars 2016 01:16:57 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private running : boolean** | | | |
| Type | Image4.png boolean | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:08:55 | | Last Modified | 20 mars 2016 01:16:57 | | | |

#### Operations

|  |  |
| --- | --- |
| **public setMap (map : Game.Map) : void** | |
| Parameters | |  |  | | --- | --- | | **map** | | | Multiplicity | Unspecified | | Type | Game.Map | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:09:42 | | Last Modified | 20 mars 2016 01:16:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:09:12 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public createMap (canvas : Canvas, gameWidth : float, gameHeight : float, bgColor : String) : void** | |
| Parameters | |  |  | | --- | --- | | **canvas** | | | Multiplicity | Unspecified | | Type | Canvas | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:11:32 | | Last Modified | 20 mars 2016 01:16:57 | |  |  |  | | --- | --- | | **gameWidth** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:11:32 | | Last Modified | 20 mars 2016 01:16:57 | |  |  |  | | --- | --- | | **gameHeight** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:11:32 | | Last Modified | 20 mars 2016 01:16:57 | |  |  |  | | --- | --- | | **bgColor** | | | Multiplicity | Unspecified | | Type | String | | Direction | inout | | Default Value | "#000" | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:11:32 | | Last Modified | 20 mars 2016 01:16:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:10:39 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public getMap () : Game.Map** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:11:32 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public getObjects () : Object** | |
| Leaf | false |
| Type Modifier | [] |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:11:41 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public getInstancesOf (objectClass) : Object** | |
| Parameters | |  |  | | --- | --- | | **objectClass** | | | Multiplicity | Unspecified | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:12:20 | | Last Modified | 20 mars 2016 01:16:57 | | |
| Leaf | false |
| Type Modifier | [] |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:11:55 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public addObject (object : Object) : void** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:12:43 | | Last Modified | 20 mars 2016 01:16:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:12:20 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public removeObject (object : Object) : void** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:12:55 | | Last Modified | 20 mars 2016 01:16:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:12:43 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public clearObjects () : void** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:12:55 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public start () : void** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:13:05 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public stop () : void** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:13:51 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public setGameEventListener (listener : GameEventListener) : void** | |
| Parameters | |  |  | | --- | --- | | **listener** | | | Multiplicity | Unspecified | | Type | GameEventListener | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:14:40 | | Last Modified | 20 mars 2016 01:16:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:13:56 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public getGameEventListener () : GameEventListener** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:14:40 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **package onFrame (timeStamp) : void** | |
| Parameters | |  |  | | --- | --- | | **timeStamp** | | | Multiplicity | Unspecified | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:15:56 | | Last Modified | 20 mars 2016 01:16:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:15:33 | | Last Modified | 20 mars 2016 01:16:57 | |

|  |  |
| --- | --- |
| **public showContextMenu (menuDiv : DOM) : void** | |
| Parameters | |  |  | | --- | --- | | **menuDiv** | | | Multiplicity | Unspecified | | Type | DOM | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:16:21 | | Last Modified | 20 mars 2016 01:16:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:15:56 | | Last Modified | 20 mars 2016 01:16:57 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Association** | |
| To | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | 0..1 | | Visibility | Unspecified | | Aggregation Kind | None | | Navigable | Navigable | | Derived | false | | Derived Union | false | | Read Only | false | | Static | false | | Leaf | false | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 15:51:40 | | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Derived | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 15:51:40 | | Last Modified | 2 avr. 2016 23:56:32 | |

### Image5.png objects

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Visibility | public |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:35:53 | | Last Modified | 2 avr. 2016 17:27:26 | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Description** |
| Image1.png [Object](#MP9zCcqD.AAAAQPI) |  |
| Image2.png [colliders](#VFV7CcqD.AAAAQTM) |  |
| Image2.png [renderers](#04h7CcqD.AAAAQS0) |  |
| Image1.png [Follower](#GMclKcqD.AAAAQzL) |  |
| Image1.png [Vehicle](#eM3lKcqD.AAAAQ1S) |  |
| Image2.png [properties](#Xb5zCcqD.AAAAQOr) |  |
| Image2.png [bullets](#yUkVKcqD.AAAAQ10) |  |
| Image2.png [particles](#CE4tKcqD.AAAAQ6o) |  |

### Image3.png Object

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:36:38 | | Last Modified | 1 avr. 2016 20:23:27 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private position : Vec2** | | | |
| Initial Value | undefined | | |
| Type | Vec2 | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:50:47 | | Last Modified | 19 mars 2016 22:55:41 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private speed : Vec2** | | | |
| Initial Value | undefined | | |
| Type | Vec2 | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:51:48 | | Last Modified | 19 mars 2016 22:55:41 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private accel : Vec2** | | | |
| Initial Value | undefined | | |
| Type | Vec2 | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:52:15 | | Last Modified | 19 mars 2016 22:55:41 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private collider : Collider** | | | |
| Initial Value | undefined | | |
| Type | Image3.png [Collider](#2Kd7CcqD.AAAAQTc) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:53:52 | | Last Modified | 19 mars 2016 23:56:55 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private renderer : Renderer** | | | |
| Initial Value | undefined | | |
| Type | Image3.png [Renderer](#ybJ3CcqD.AAAAQaW) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:54:02 | | Last Modified | 19 mars 2016 23:56:55 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **public COLLISION\_LAYER : int** | | | |
| Initial Value | 0 | | |
| Type | Image4.png int | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 1 avr. 2016 19:02:05 | | Last Modified | 1 avr. 2016 19:12:47 | | | |

#### Operations

|  |  |
| --- | --- |
| **public getPosition () : Vec2** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:03 | | Last Modified | 1 avr. 2016 15:38:00 | |

|  |  |
| --- | --- |
| **public getSpeed () : Vec2** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:07 | | Last Modified | 1 avr. 2016 15:38:00 | |

|  |  |
| --- | --- |
| **public getAcceleration () : Vec2** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:11 | | Last Modified | 1 avr. 2016 15:38:00 | |

|  |  |
| --- | --- |
| **public copyPosition () : Vec2** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:36 | | Last Modified | 1 avr. 2016 15:38:00 | |

|  |  |
| --- | --- |
| **public copySpeed () : Vec2** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:42 | | Last Modified | 1 avr. 2016 15:38:00 | |

|  |  |
| --- | --- |
| **public copyAcceleration () : Vec2** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:47 | | Last Modified | 1 avr. 2016 15:38:00 | |

|  |  |
| --- | --- |
| **public setPosition (position) : void** | |
| Parameters | |  |  | | --- | --- | | **position** | | | Multiplicity | Unspecified | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:03 | | Last Modified | 19 mars 2016 22:45:34 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:03 | | Last Modified | 1 avr. 2016 15:38:00 | |

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| --- | --- |
| **public setSpeed (speed) : void** | |
| Parameters | |  |  | | --- | --- | | **speed** | | | Multiplicity | Unspecified | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:07 | | Last Modified | 19 mars 2016 22:45:34 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:07 | | Last Modified | 1 avr. 2016 15:38:00 | |

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| --- | --- |
| **public setAcceleration (acceleration) : void** | |
| Parameters | |  |  | | --- | --- | | **acceleration** | | | Multiplicity | Unspecified | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:11 | | Last Modified | 19 mars 2016 22:45:34 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:11 | | Last Modified | 1 avr. 2016 15:38:00 | |

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| --- | --- |
| **public onFrame (gameManager : Manager, dT : float) : void** | |
| Parameters | |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | Manager | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:41:14 | | Last Modified | 19 mars 2016 22:45:34 | |  |  |  | | --- | --- | | **dT** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:41:14 | | Last Modified | 19 mars 2016 22:45:34 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:38:53 | | Last Modified | 1 avr. 2016 15:48:00 | |

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| --- | --- |
| **public moveOnFrame (gameManager : Manager, dT : float) : void** | |
| Parameters | |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | Manager | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:39:55 | | Last Modified | 19 mars 2016 22:45:34 | |  |  |  | | --- | --- | | **dT** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:39:55 | | Last Modified | 19 mars 2016 22:45:34 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:39:31 | | Last Modified | 1 avr. 2016 15:48:00 | |

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| --- | --- |
| **public accelerateOnFrame (gameManager : Manager, dT : float) : void** | |
| Parameters | |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | Manager | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:42:28 | | Last Modified | 19 mars 2016 22:45:34 | |  |  |  | | --- | --- | | **dT** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:42:54 | | Last Modified | 19 mars 2016 22:45:34 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:41:58 | | Last Modified | 1 avr. 2016 15:48:00 | |

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| --- | --- |
| **public rotateOnFrame (gameManager : Manager, dT : float) : void** | |
| Parameters | |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | Manager | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:48:42 | | Last Modified | 19 mars 2016 22:55:41 | |  |  |  | | --- | --- | | **dT** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:48:58 | | Last Modified | 19 mars 2016 22:55:41 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:48:31 | | Last Modified | 1 avr. 2016 15:48:00 | |

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| --- | --- |
| **public setRotationFieldEnabled (enable : boolean) : void** | |
| Parameters | |  |  | | --- | --- | | **enable** | | | Multiplicity | Unspecified | | Type | Image4.png boolean | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:21:19 | | Last Modified | 20 mars 2016 00:26:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:21:00 | | Last Modified | 1 avr. 2016 15:48:00 | |

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| --- | --- |
| **public rotate (radians : float) : void** | |
| Parameters | |  |  | | --- | --- | | **radians** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:21:33 | | Last Modified | 20 mars 2016 00:26:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:21:19 | | Last Modified | 1 avr. 2016 15:50:56 | |

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| --- | --- |
| **public setRadians (radians : float) : void** | |
| Parameters | |  |  | | --- | --- | | **radians** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:21:57 | | Last Modified | 20 mars 2016 00:26:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:21:33 | | Last Modified | 1 avr. 2016 15:50:56 | |

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| --- | --- |
| **public getRadians () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:21:57 | | Last Modified | 1 avr. 2016 15:50:56 | |

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| --- | --- |
| **public getDirection () : Vec2** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:22:05 | | Last Modified | 1 avr. 2016 15:58:00 | |

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| --- | --- |
| **public lookAt (position) : void** | |
| Parameters | |  |  | | --- | --- | | **position** | | | Multiplicity | Unspecified | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:22:40 | | Last Modified | 20 mars 2016 00:26:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:22:16 | | Last Modified | 1 avr. 2016 15:58:00 | |

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| --- | --- |
| **public setRotationSpeed (rotationSpeed : float) : void** | |
| Parameters | |  |  | | --- | --- | | **rotationSpeed** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:23:19 | | Last Modified | 20 mars 2016 00:26:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:22:40 | | Last Modified | 1 avr. 2016 15:58:00 | |

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| --- | --- |
| **public getRotationSpeed () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:23:19 | | Last Modified | 1 avr. 2016 15:58:00 | |

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| --- | --- |
| **public grow (factor : float) : void** | |
| Parameters | |  |  | | --- | --- | | **factor** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:23:52 | | Last Modified | 20 mars 2016 00:26:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:23:32 | | Last Modified | 1 avr. 2016 15:58:00 | |

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| --- | --- |
| **public setRenderer (renderer : Renderer) : void** | |
| Parameters | |  |  | | --- | --- | | **renderer** | | | Multiplicity | Unspecified | | Type | Image3.png [Renderer](#ybJ3CcqD.AAAAQaW) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:24:04 | | Last Modified | 20 mars 2016 00:26:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:23:52 | | Last Modified | 1 avr. 2016 16:08:00 | |

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| --- | --- |
| **public getRenderer () : Renderer** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:24:04 | | Last Modified | 1 avr. 2016 16:08:00 | |

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| --- | --- |
| **public render (context2d : CanvasRenderingContext2D) : void** | |
| Parameters | |  |  | | --- | --- | | **context2d** | | | Multiplicity | Unspecified | | Type | CanvasRenderingContext2D | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:24:41 | | Last Modified | 20 mars 2016 00:26:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:24:17 | | Last Modified | 1 avr. 2016 16:08:00 | |

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| **public renderDebug (context2d : CanvasRenderingContext2D) : void** | |
| Parameters | |  |  | | --- | --- | | **context2d** | | | Multiplicity | Unspecified | | Type | CanvasRenderingContext2D | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:25:33 | | Last Modified | 20 mars 2016 00:26:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:25:04 | | Last Modified | 1 avr. 2016 16:08:00 | |

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| --- | --- |
| **public renderMouseOver (context2d : CanvasRenderingContext2D, pointerPos : Vec2, gameManager : Game.Manager, debug : boolean) : void** | |
| Parameters | |  |  | | --- | --- | | **context2d** | | | Multiplicity | Unspecified | | Type | CanvasRenderingContext2D | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:26:17 | | Last Modified | 20 mars 2016 00:26:56 | |  |  |  | | --- | --- | | **pointerPos** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:26:17 | | Last Modified | 20 mars 2016 00:26:56 | |  |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | Game.Manager | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:26:17 | | Last Modified | 20 mars 2016 00:26:56 | |  |  |  | | --- | --- | | **debug** | | | Multiplicity | Unspecified | | Type | Image4.png boolean | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:26:17 | | Last Modified | 20 mars 2016 00:26:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:25:33 | | Last Modified | 1 avr. 2016 16:08:00 | |

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| --- | --- |
| **public getInformations () : String** | |
| Leaf | false |
| Type Modifier | [] |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:26:17 | | Last Modified | 1 avr. 2016 16:08:00 | |

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| --- | --- |
| **public getContextMenu () : String** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:26:49 | | Last Modified | 1 avr. 2016 16:18:01 | |

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| --- | --- |
| **public getRenderLayer () : int** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:27:00 | | Last Modified | 1 avr. 2016 16:18:01 | |

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| --- | --- |
| **public renderLayerFilter (layer : int, obj : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **layer** | | | Multiplicity | Unspecified | | Type | Image4.png int | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:28:11 | | Last Modified | 20 mars 2016 00:36:56 | |  |  |  | | --- | --- | | **obj** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:28:11 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:27:32 | | Last Modified | 1 avr. 2016 16:18:01 | |

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| --- | --- |
| **public setCollider (collider : Collider) : void** | |
| Parameters | |  |  | | --- | --- | | **collider** | | | Multiplicity | Unspecified | | Type | Image3.png [Collider](#2Kd7CcqD.AAAAQTc) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:28:38 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:28:11 | | Last Modified | 1 avr. 2016 16:28:01 | |

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| --- | --- |
| **public getCollider () : Collider** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:28:47 | | Last Modified | 1 avr. 2016 16:28:01 | |

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| --- | --- |
| **public canCollide (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Default Value | undefined | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:29:30 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:29:05 | | Last Modified | 1 avr. 2016 16:28:01 | |

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| --- | --- |
| **public prepareCollision () : void** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:29:30 | | Last Modified | 1 avr. 2016 16:28:01 | |

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| --- | --- |
| **public finishCollision () : void** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:29:45 | | Last Modified | 1 avr. 2016 16:31:08 | |

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| --- | --- |
| **public collides (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:30:16 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:29:55 | | Last Modified | 1 avr. 2016 19:02:47 | |

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| --- | --- |
| **public onCollision (gameManager : Game.Manager, otherObject : Object) : void** | |
| Parameters | |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | Game.Manager | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:30:42 | | Last Modified | 20 mars 2016 00:36:56 | |  |  |  | | --- | --- | | **otherObject** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:30:42 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:30:16 | | Last Modified | 1 avr. 2016 19:02:47 | |

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| --- | --- |
| **public getCollisionLayers () : int** | |
| Leaf | false |
| Type Modifier | [] |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:30:42 | | Last Modified | 1 avr. 2016 19:12:47 | |

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| --- | --- |
| **public isInLayer (layer : int) : boolean** | |
| Parameters | |  |  | | --- | --- | | **layer** | | | Multiplicity | Unspecified | | Type | Image4.png int | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:31:21 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:31:04 | | Last Modified | 1 avr. 2016 19:12:47 | |

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| --- | --- |
| **public getCollisionLayerFilter (layers : int, use) : function** | |
| Parameters | |  |  | | --- | --- | | **layers** | | | Multiplicity | Unspecified | | Type Modifier | [] | | Type | Image4.png int | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:32:15 | | Last Modified | 20 mars 2016 00:36:56 | |  |  |  | | --- | --- | | **use** | | | Multiplicity | Unspecified | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:32:15 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:31:21 | | Last Modified | 1 avr. 2016 19:12:47 | |

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| --- | --- |
| **public getRect () : Rect** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:32:15 | | Last Modified | 1 avr. 2016 19:12:47 | |

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| --- | --- |
| **public getColliderRect () : Rect** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:32:46 | | Last Modified | 1 avr. 2016 19:12:47 | |

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| --- | --- |
| **public getRenderRect () : Rect** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:32:56 | | Last Modified | 1 avr. 2016 19:12:47 | |

|  |  |
| --- | --- |
| **public getRadius () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:33:03 | | Last Modified | 1 avr. 2016 19:22:48 | |

|  |  |
| --- | --- |
| **public getRenderRadius () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:33:13 | | Last Modified | 1 avr. 2016 19:22:48 | |

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| --- | --- |
| **public getColliderRadius () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:33:24 | | Last Modified | 1 avr. 2016 19:22:48 | |

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| --- | --- |
| **public getCircle () : Circle** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:33:36 | | Last Modified | 1 avr. 2016 19:22:48 | |

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| --- | --- |
| **public getRenderCircle () : Circle** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:33:50 | | Last Modified | 1 avr. 2016 19:22:48 | |

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| --- | --- |
| **public getColliderCircle () : Circle** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:34:28 | | Last Modified | 1 avr. 2016 19:22:48 | |

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| --- | --- |
| **public move (delta : Vec2) : void** | |
| Parameters | |  |  | | --- | --- | | **delta** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:35:03 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:34:40 | | Last Modified | 1 avr. 2016 19:32:48 | |

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| --- | --- |
| **public accelerate (deltaSpeed : Vec2) : void** | |
| Parameters | |  |  | | --- | --- | | **deltaSpeed** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:35:22 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:35:03 | | Last Modified | 1 avr. 2016 19:42:48 | |

|  |  |
| --- | --- |
| **public kill (gameManager : game.Manager) : void** | |
| Parameters | |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | game.Manager | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:35:42 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:35:22 | | Last Modified | 1 avr. 2016 19:42:48 | |

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| --- | --- |
| **public onDeath (gameManager : Manager) : void** | |
| Parameters | |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | Manager | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:35:55 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:35:43 | | Last Modified | 1 avr. 2016 19:42:48 | |

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| --- | --- |
| **public isOutOfMap (mapRect : Rect, marginX : float, marginY : float) : boolean** | |
| Parameters | |  |  | | --- | --- | | **mapRect** | | | Multiplicity | Unspecified | | Type | Rect | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:36:47 | | Last Modified | 20 mars 2016 00:36:56 | |  |  |  | | --- | --- | | **marginX** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Default Value | undefined | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:36:47 | | Last Modified | 20 mars 2016 00:40:55 | |  |  |  | | --- | --- | | **marginY** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Default Value | undefined | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:36:47 | | Last Modified | 20 mars 2016 00:36:56 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:35:55 | | Last Modified | 1 avr. 2016 19:42:48 | |

|  |  |
| --- | --- |
| **public maintainInRect (rect, marginX : float, marginY : float) : int** | |
| Parameters | |  |  | | --- | --- | | **rect** | | | Multiplicity | Unspecified | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:37:42 | | Last Modified | 20 mars 2016 00:40:55 | |  |  |  | | --- | --- | | **marginX** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Default Value | undefined | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:37:42 | | Last Modified | 20 mars 2016 00:40:55 | |  |  |  | | --- | --- | | **marginY** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Default Value | undefined | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:37:42 | | Last Modified | 20 mars 2016 00:40:55 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:36:47 | | Last Modified | 1 avr. 2016 19:42:48 | |

|  |  |
| --- | --- |
| **public mustKeepInRect () : boolean** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:37:42 | | Last Modified | 1 avr. 2016 19:42:48 | |

|  |  |
| --- | --- |
| **public toString () : String** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:38:29 | | Last Modified | 1 avr. 2016 19:42:48 | |

|  |  |
| --- | --- |
| **public Static (position : Vec2)** | |
| Parameters | |  |  | | --- | --- | | **position** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:39:08 | | Last Modified | 20 mars 2016 00:40:55 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:38:50 | | Last Modified | 1 avr. 2016 19:52:49 | |

|  |  |
| --- | --- |
| **public Cinetic (position : Vec2)** | |
| Parameters | |  |  | | --- | --- | | **position** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:39:22 | | Last Modified | 20 mars 2016 00:40:55 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:39:08 | | Last Modified | 1 avr. 2016 20:22:49 | |

|  |  |
| --- | --- |
| **public Dynamic (position : Vec2)** | |
| Parameters | |  |  | | --- | --- | | **position** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:39:32 | | Last Modified | 20 mars 2016 00:40:55 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 00:39:22 | | Last Modified | 1 avr. 2016 20:23:27 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Follower](#GMclKcqD.AAAAQzL) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:30:06 | | Last Modified | 20 mars 2016 16:36:14 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Vehicle](#eM3lKcqD.AAAAQ1S) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:32:11 | | Last Modified | 20 mars 2016 16:36:14 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Bullet](#0kqVKcqD.AAAAQ2P) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:49:16 | | Last Modified | 20 mars 2016 16:56:44 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Particle](#LyitKcqD.AAAAQ6z) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:53:26 | | Last Modified | 20 mars 2016 16:56:44 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Emitor](#fq59KcqD.AAAARA_) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:57:34 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **Unnamed Association** | |
| From | |  |  | | --- | --- | | **Name** | **Value** | | End Model Element | Image3.png [Manager](#pZJqicqD.AAAAQrS) | | Provide Property Getter Method | false | | Provide Property Setter Method | false | | Multiplicity | 0..\* | | Visibility | Unspecified | | Aggregation Kind | Composited | | Navigable | Navigable | | Derived | false | | Derived Union | false | | Read Only | false | | Static | false | | Leaf | false | | Type | Image3.png [Manager](#pZJqicqD.AAAAQrS) | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 15:51:40 | | |
| Abstract | false |
| Leaf | false |
| Visibility | Unspecified |
| Derived | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 15:51:40 | | Last Modified | 2 avr. 2016 23:56:32 | |

### Image5.png colliders

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Visibility | public |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:53:45 | | Last Modified | 2 avr. 2016 17:27:26 | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Description** |
| Image1.png [Renderer](#ybJ3CcqD.AAAAQaV) |  |
| Image1.png [Shaped](#5mZPCcqD.AAAAQbX) |  |

### Image5.png renderers

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Visibility | public |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:53:05 | | Last Modified | 19 mars 2016 23:46:07 | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Description** |
| Image1.png [Collider](#2Kd7CcqD.AAAAQTb) |  |
| Image1.png [Shaped](#U977CcqD.AAAAQT0) |  |

### Image3.png Map

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:18:13 | | Last Modified | 20 mars 2016 15:56:13 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private context2d : CanvasRenderingContext2D** | | | |
| Type | CanvasRenderingContext2D | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:19:03 | | Last Modified | 20 mars 2016 01:26:57 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private gameWidth : float** | | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:19:10 | | Last Modified | 20 mars 2016 01:26:57 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private gameHeight : float** | | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:19:28 | | Last Modified | 20 mars 2016 01:26:57 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private visibleRect : Rect** | | | |
| Type | Rect | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:19:33 | | Last Modified | 20 mars 2016 01:26:57 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private debug : boolean** | | | |
| Initial Value | undefined | | |
| Type | Image4.png boolean | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:31:27 | | Last Modified | 20 mars 2016 01:36:57 | | | |

#### Operations

|  |  |
| --- | --- |
| **public setBgColor (color : String) : void** | |
| Parameters | |  |  | | --- | --- | | **color** | | | Multiplicity | Unspecified | | Type | String | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:20:17 | | Last Modified | 20 mars 2016 01:26:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:19:51 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public getBg () : String** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:20:32 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public setPointerPosition (pos : Vec2) : void** | |
| Parameters | |  |  | | --- | --- | | **pos** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:21:35 | | Last Modified | 20 mars 2016 01:26:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:20:53 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public getPointerPosition () : Vec2** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:21:35 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public useFullWindow (use : boolean, borderMargin : float) : void** | |
| Parameters | |  |  | | --- | --- | | **use** | | | Multiplicity | Unspecified | | Type | Image4.png boolean | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:22:27 | | Last Modified | 20 mars 2016 01:26:57 | |  |  |  | | --- | --- | | **borderMargin** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:22:27 | | Last Modified | 20 mars 2016 01:26:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:21:52 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public setVisibleRect (rect : Rect) : void** | |
| Parameters | |  |  | | --- | --- | | **rect** | | | Multiplicity | Unspecified | | Type | Rect | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:22:48 | | Last Modified | 20 mars 2016 01:26:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:22:27 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public getVisibleRect () : Rect** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:22:48 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public getGameRect () : Rect** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:23:04 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public gameCoordsFromPixelCoords (pixelCoords : Vec2, out : Vec2) : void** | |
| Parameters | |  |  | | --- | --- | | **pixelCoords** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:24:04 | | Last Modified | 20 mars 2016 01:26:57 | |  |  |  | | --- | --- | | **out** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:24:04 | | Last Modified | 20 mars 2016 01:26:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:23:29 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public pixelCoordsFromgameCoords (gameCoords : Vec2, out : Vec2) : void** | |
| Parameters | |  |  | | --- | --- | | **gameCoords** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:24:48 | | Last Modified | 20 mars 2016 01:26:57 | |  |  |  | | --- | --- | | **out** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:24:48 | | Last Modified | 20 mars 2016 01:26:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:24:04 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public getGamePixelScaleX () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:24:48 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public getGamePixelScaleY () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:25:15 | | Last Modified | 20 mars 2016 01:26:57 | |

|  |  |
| --- | --- |
| **public setHud (hud : Game.hud.Hud) : void** | |
| Parameters | |  |  | | --- | --- | | **hud** | | | Multiplicity | Unspecified | | Type | Game.hud.Hud | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:27:27 | | Last Modified | 20 mars 2016 01:36:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:27:06 | | Last Modified | 20 mars 2016 01:36:57 | |

|  |  |
| --- | --- |
| **public createHud () : void** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:27:27 | | Last Modified | 20 mars 2016 01:36:57 | |

|  |  |
| --- | --- |
| **public getHud () : Game.hud.Hud** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:27:41 | | Last Modified | 20 mars 2016 01:36:57 | |

|  |  |
| --- | --- |
| **public showDebug (show : boolean) : void** | |
| Parameters | |  |  | | --- | --- | | **show** | | | Multiplicity | Unspecified | | Type | Image4.png boolean | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:28:19 | | Last Modified | 20 mars 2016 01:36:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:27:52 | | Last Modified | 20 mars 2016 01:36:57 | |

|  |  |
| --- | --- |
| **public isDebug () : boolean** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:28:19 | | Last Modified | 20 mars 2016 01:36:57 | |

|  |  |
| --- | --- |
| **public render (gameManager : Manager, objects : Object) : void** | |
| Parameters | |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | Image3.png [Manager](#pZJqicqD.AAAAQrS) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:29:09 | | Last Modified | 20 mars 2016 01:36:57 | |  |  |  | | --- | --- | | **objects** | | | Multiplicity | Unspecified | | Type Modifier | [] | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:29:09 | | Last Modified | 20 mars 2016 01:36:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:28:32 | | Last Modified | 20 mars 2016 01:36:57 | |

|  |  |
| --- | --- |
| **public getObjectAt (objects : Object, points : vec2) : Object** | |
| Parameters | |  |  | | --- | --- | | **objects** | | | Multiplicity | Unspecified | | Type Modifier | [] | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:29:44 | | Last Modified | 20 mars 2016 01:36:57 | |  |  |  | | --- | --- | | **points** | | | Multiplicity | Unspecified | | Type | vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:29:44 | | Last Modified | 20 mars 2016 01:36:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:29:09 | | Last Modified | 20 mars 2016 01:36:57 | |

|  |  |
| --- | --- |
| **public getContextMenu () : String** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:29:44 | | Last Modified | 20 mars 2016 01:36:57 | |

|  |  |
| --- | --- |
| **public showMouseOverInfos (gameManager : Manager, objects : Object) : void** | |
| Parameters | |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | Image3.png [Manager](#pZJqicqD.AAAAQrS) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:30:44 | | Last Modified | 20 mars 2016 01:36:57 | |  |  |  | | --- | --- | | **objects** | | | Multiplicity | Unspecified | | Type Modifier | [] | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:30:44 | | Last Modified | 20 mars 2016 01:36:57 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 01:30:05 | | Last Modified | 20 mars 2016 01:36:57 | |

### Image3.png Renderer

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:10:49 | | Last Modified | 2 avr. 2016 17:27:26 | |

#### Operations

|  |  |
| --- | --- |
| **public rotate (radians : float) : void** | |
| Parameters | |  |  | | --- | --- | | **radians** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:11:30 | | Last Modified | 19 mars 2016 23:50:26 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:11:01 | | Last Modified | 19 mars 2016 23:50:26 | |

|  |  |
| --- | --- |
| **public grow (factor : float) : void** | |
| Parameters | |  |  | | --- | --- | | **factor** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:11:46 | | Last Modified | 19 mars 2016 23:50:26 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:11:30 | | Last Modified | 19 mars 2016 23:50:26 | |

|  |  |
| --- | --- |
| **public render (position : Vec2, context2d : CanvasRenderingContext2D) : void** | |
| Parameters | |  |  | | --- | --- | | **position** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:12:49 | | Last Modified | 19 mars 2016 23:50:26 | |  |  |  | | --- | --- | | **context2d** | | | Multiplicity | Unspecified | | Type | CanvasRenderingContext2D | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:12:49 | | Last Modified | 19 mars 2016 23:50:26 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:11:46 | | Last Modified | 19 mars 2016 23:50:26 | |

|  |  |
| --- | --- |
| **public getRadius () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:12:49 | | Last Modified | 19 mars 2016 23:50:26 | |

|  |  |
| --- | --- |
| **public getRect (position : Vec2) : Rect** | |
| Parameters | |  |  | | --- | --- | | **position** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:14:36 | | Last Modified | 19 mars 2016 23:50:26 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:14:07 | | Last Modified | 19 mars 2016 23:50:26 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Shaped](#5mZPCcqD.AAAAQbX) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:48:26 | | Last Modified | 19 mars 2016 23:50:26 | |

### Image3.png Collider

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:54:00 | | Last Modified | 19 mars 2016 23:46:07 | |

#### Operations

|  |  |
| --- | --- |
| **public rotate (radians : float) : void** | |
| Parameters | |  |  | | --- | --- | | **radians** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:01:13 | | Last Modified | 19 mars 2016 23:05:54 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:59:53 | | Last Modified | 19 mars 2016 23:05:54 | |

|  |  |
| --- | --- |
| **public grow (factor : float) : void** | |
| Parameters | |  |  | | --- | --- | | **factor** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:00:14 | | Last Modified | 19 mars 2016 23:05:54 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:59:56 | | Last Modified | 19 mars 2016 23:05:54 | |

|  |  |
| --- | --- |
| **public getRadius () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:00:14 | | Last Modified | 19 mars 2016 23:05:54 | |

|  |  |
| --- | --- |
| **public getRect (position : Vec2) : Rect** | |
| Parameters | |  |  | | --- | --- | | **position** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:00:43 | | Last Modified | 19 mars 2016 23:05:54 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:00:28 | | Last Modified | 19 mars 2016 23:05:54 | |

|  |  |
| --- | --- |
| **public collidesWhenInside (collider : Collider) : boolean** | |
| Parameters | |  |  | | --- | --- | | **collider** | | | Multiplicity | Unspecified | | Type | Image3.png [Collider](#2Kd7CcqD.AAAAQTc) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:01:54 | | Last Modified | 19 mars 2016 23:05:54 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:01:28 | | Last Modified | 19 mars 2016 23:05:54 | |

|  |  |
| --- | --- |
| **public prepareCollision (position : Vec2) : void** | |
| Parameters | |  |  | | --- | --- | | **position** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:02:22 | | Last Modified | 19 mars 2016 23:05:54 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:01:54 | | Last Modified | 19 mars 2016 23:05:54 | |

|  |  |
| --- | --- |
| **public finishCollision () : void** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:02:22 | | Last Modified | 19 mars 2016 23:05:54 | |

|  |  |
| --- | --- |
| **public collides (objPos : vec2, otherPos : Vec2, collider : Collider) : boolean** | |
| Parameters | |  |  | | --- | --- | | **objPos** | | | Multiplicity | Unspecified | | Type | vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:03:28 | | Last Modified | 19 mars 2016 23:05:54 | |  |  |  | | --- | --- | | **otherPos** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:03:28 | | Last Modified | 19 mars 2016 23:05:54 | |  |  |  | | --- | --- | | **collider** | | | Multiplicity | Unspecified | | Type | Image3.png [Collider](#2Kd7CcqD.AAAAQTc) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:03:49 | | Last Modified | 19 mars 2016 23:05:54 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:03:10 | | Last Modified | 19 mars 2016 23:05:54 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Shaped](#U977CcqD.AAAAQT0) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:58:23 | | Last Modified | 19 mars 2016 23:46:07 | |

### Image5.png hud

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Visibility | public |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:18:41 | | Last Modified | 2 avr. 2016 17:27:26 | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Description** |
| Image1.png [Hud](#Dgxx68qGAqACSAdf) |  |
| Image2.png [views](#_2zx68qGAqACSAe3) |  |

### Image3.png Follower

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:29:07 | | Last Modified | 21 mars 2016 14:49:11 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Dependency** | |
| To | Image1.png [Homing](#tD_fCcqD.AAAAQf6) |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 21 mars 2016 14:47:03 | | Last Modified | 21 mars 2016 14:49:11 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Object](#MP9zCcqD.AAAAQPI) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:30:06 | | Last Modified | 20 mars 2016 16:36:14 | |

### Image3.png Hud

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:18:53 | | Last Modified | 2 avr. 2016 19:37:29 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private child : View** | | | |
| Type | Image3.png [View](#ZUvJ68qGAqACSAhX) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:19:21 | | Last Modified | 2 avr. 2016 17:37:27 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private active : boolean** | | | |
| Type | Image4.png boolean | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 19:29:50 | | Last Modified | 2 avr. 2016 19:37:29 | | | |

### Image3.png Vehicle

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:32:11 | | Last Modified | 20 mars 2016 16:36:14 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Object](#MP9zCcqD.AAAAQPI) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:32:11 | | Last Modified | 20 mars 2016 16:36:14 | |

### Image3.png Shaped

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:15:18 | | Last Modified | 2 avr. 2016 17:27:26 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private shape : Shape** | | | |
| Type | Shape | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:16:16 | | Last Modified | 19 mars 2016 23:26:07 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private color : String** | | | |
| Type | String | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:16:22 | | Last Modified | 19 mars 2016 23:26:07 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private fill : boolean** | | | |
| Initial Value | true | | |
| Type | Image4.png boolean | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:16:34 | | Last Modified | 19 mars 2016 23:26:07 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private stroke : boolean** | | | |
| Initial Value | undefiend | | |
| Type | Image4.png boolean | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:16:46 | | Last Modified | 19 mars 2016 23:26:07 | | | |

#### Operations

|  |  |
| --- | --- |
| **public getColor () : String** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:17:19 | | Last Modified | 25 mars 2016 14:43:01 | |

|  |  |
| --- | --- |
| **public setColor () : void** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:17:31 | | Last Modified | 19 mars 2016 23:26:07 | |

|  |  |
| --- | --- |
| **public getShape () : Shape** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:18:01 | | Last Modified | 19 mars 2016 23:26:07 | |

|  |  |
| --- | --- |
| **public setShape () : Shape** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:18:12 | | Last Modified | 19 mars 2016 23:26:07 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Renderer](#ybJ3CcqD.AAAAQaV) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:48:26 | | Last Modified | 19 mars 2016 23:50:26 | |

### Image5.png views

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Visibility | public |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:20:00 | | Last Modified | 3 avr. 2016 19:49:30 | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Description** |
| Image1.png [STATE](#pJZp68qGAqACSAic) |  |
| Image1.png [View](#ZUvJ68qGAqACSAhW) |  |
| Image1.png [Layout](#Wsk568qGAqACSAlC) |  |
| Image1.png [TextView](#7r2F68qGAqACSAmr) |  |
| Image1.png [ProgressBar](#d1BHG8qGAqACSAp5) |  |
| Image1.png [Button](#apgl68qGAqACSAny) |  |
| Image1.png [SegmentedProgressBar](#6o_cu8qD.AAAAQd9) |  |

### Image3.png Shaped

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:54:38 | | Last Modified | 20 mars 2016 16:46:14 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private shape : Shape** | | | |
| Type | Shape | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:06:28 | | Last Modified | 19 mars 2016 23:16:07 | | | |

#### Operations

|  |  |
| --- | --- |
| **public getShape () : Shape** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:06:32 | | Last Modified | 19 mars 2016 23:16:07 | |

|  |  |
| --- | --- |
| **public setShape (shape : Shape) : void** | |
| Parameters | |  |  | | --- | --- | | **shape** | | | Multiplicity | Unspecified | | Type | Shape | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:06:32 | | Last Modified | 19 mars 2016 23:16:07 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:06:32 | | Last Modified | 19 mars 2016 23:16:07 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Collider](#vJz1KcqD.AAAAQ4S) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:40:36 | | Last Modified | 20 mars 2016 16:46:14 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Collider](#2Kd7CcqD.AAAAQTb) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:58:23 | | Last Modified | 19 mars 2016 23:46:07 | |

### Image3.png STATE

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Stereotypes | enumeration |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:27:52 | | Last Modified | 2 avr. 2016 23:42:02 | |

#### Enumeration Literals

|  |  |
| --- | --- |
| **INACTIVE** | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 23:41:02 | | Last Modified | 2 avr. 2016 23:42:02 | |

|  |  |
| --- | --- |
| **NONE** | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:28:50 | | Last Modified | 2 avr. 2016 17:37:27 | |

|  |  |
| --- | --- |
| **HOVERED** | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:28:55 | | Last Modified | 2 avr. 2016 17:37:27 | |

|  |  |
| --- | --- |
| **PRESSED** | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:29:10 | | Last Modified | 2 avr. 2016 17:37:27 | |

### Image3.png View

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:25:02 | | Last Modified | 2 avr. 2016 23:36:22 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private state : STATE** | | | |
| Initial Value | STATE.NONE | | |
| Type | Image3.png [STATE](#pJZp68qGAqACSAid) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:27:05 | | Last Modified | 2 avr. 2016 17:37:27 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private active : boolean** | | | |
| Type | Image4.png boolean | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 19:36:18 | | Last Modified | 2 avr. 2016 19:37:29 | | | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Layout](#Wsk568qGAqACSAlC) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:35:47 | | Last Modified | 2 avr. 2016 17:37:27 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [TextView](#7r2F68qGAqACSAmr) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:40:31 | | Last Modified | 2 avr. 2016 17:47:27 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [ProgressBar](#d1BHG8qGAqACSAp5) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 23:30:06 | | Last Modified | 2 avr. 2016 23:36:22 | |

### Image3.png Layout

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:34:36 | | Last Modified | 2 avr. 2016 17:37:27 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private chldren : View** | | | |
| Type Modifier | [] | | |
| Type | Image3.png [View](#ZUvJ68qGAqACSAhX) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:36:12 | | Last Modified | 2 avr. 2016 17:37:27 | | | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [View](#ZUvJ68qGAqACSAhW) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:35:47 | | Last Modified | 2 avr. 2016 17:37:27 | |

### Image3.png TextView

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:40:14 | | Last Modified | 2 avr. 2016 17:47:27 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private text : String** | | | |
| Type | String | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:41:09 | | Last Modified | 2 avr. 2016 17:47:27 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private font : String** | | | |
| Type | String | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:41:15 | | Last Modified | 2 avr. 2016 17:47:27 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private fontSize : int** | | | |
| Type | Image4.png int | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:41:53 | | Last Modified | 2 avr. 2016 17:47:27 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private fontColor : String** | | | |
| Type | String | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:42:07 | | Last Modified | 2 avr. 2016 17:47:27 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private rect : Rect** | | | |
| Type | Rect | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:42:19 | | Last Modified | 2 avr. 2016 17:47:27 | | | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Button](#apgl68qGAqACSAny) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:42:49 | | Last Modified | 2 avr. 2016 17:47:27 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [View](#ZUvJ68qGAqACSAhW) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:40:31 | | Last Modified | 2 avr. 2016 17:47:27 | |

### Image5.png properties

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Visibility | public |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 22:36:05 | | Last Modified | 19 mars 2016 23:46:07 | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Description** |
| Image1.png [Health](#tBEfCcqD.AAAAQeO) |  |
| Image1.png [Homing](#tD_fCcqD.AAAAQf6) |  |
| Image1.png [Tag](#h7XgicqD.AAAAQij) |  |
| Image1.png [Energy](#e2tfCcqD.AAAAQfL) |  |
| Image1.png [LifeTime](#rLHgicqD.AAAAQiW) |  |

### Image5.png bullets

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Visibility | public |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:33:08 | | Last Modified | 20 mars 2016 16:46:14 | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Description** |
| Image1.png [Bullet](#0kqVKcqD.AAAAQ2P) |  |
| Image1.png [Collider](#vJz1KcqD.AAAAQ4S) |  |
| Image1.png [Homing](#YON1KcqD.AAAAQ4C) |  |
| Image1.png [Laser](#23BNKcqD.AAAAQ5_) |  |

### Image3.png ProgressBar

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 23:30:05 | | Last Modified | 3 avr. 2016 19:49:30 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [SegmentedProgressBar](#6o_cu8qD.AAAAQd9) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 3 avr. 2016 19:46:46 | | Last Modified | 3 avr. 2016 19:49:30 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [View](#ZUvJ68qGAqACSAhW) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 23:30:06 | | Last Modified | 2 avr. 2016 23:36:22 | |

### Image3.png Health

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:22:00 | | Last Modified | 19 mars 2016 23:46:07 | |

#### Operations

|  |  |
| --- | --- |
| **public isDamageable (obj : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **obj** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:23:20 | | Last Modified | 19 mars 2016 23:26:07 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:22:49 | | Last Modified | 19 mars 2016 23:26:07 | |

|  |  |
| --- | --- |
| **public applyOnClass (objectClass : class) : void** | |
| Parameters | |  |  | | --- | --- | | **objectClass** | | | Multiplicity | Unspecified | | Type | class | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:23:42 | | Last Modified | 19 mars 2016 23:26:07 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:23:20 | | Last Modified | 19 mars 2016 23:26:07 | |

### Image3.png Homing

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:25:46 | | Last Modified | 21 mars 2016 14:49:11 | |

#### Operations

|  |  |
| --- | --- |
| **public getSteeringForce (objectLocation : Vec2, maxSpeed : float, maxForce : float, currentSpeed : Vec2, targetLocation : Vec2) : Vec2** | |
| Parameters | |  |  | | --- | --- | | **objectLocation** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:27:19 | | Last Modified | 19 mars 2016 23:29:26 | |  |  |  | | --- | --- | | **maxSpeed** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:27:20 | | Last Modified | 19 mars 2016 23:29:26 | |  |  |  | | --- | --- | | **maxForce** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:27:20 | | Last Modified | 19 mars 2016 23:29:26 | |  |  |  | | --- | --- | | **currentSpeed** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:27:20 | | Last Modified | 19 mars 2016 23:29:26 | |  |  |  | | --- | --- | | **targetLocation** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:27:20 | | Last Modified | 19 mars 2016 23:29:26 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:26:01 | | Last Modified | 19 mars 2016 23:29:26 | |

|  |  |
| --- | --- |
| **public applyOnClass (objectClass : class, maxSpeed : float, steerForce : float, getTarget : function) : void** | |
| Parameters | |  |  | | --- | --- | | **objectClass** | | | Multiplicity | Unspecified | | Type | class | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:28:31 | | Last Modified | 19 mars 2016 23:29:26 | |  |  |  | | --- | --- | | **maxSpeed** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:31:38 | | Last Modified | 19 mars 2016 23:36:07 | |  |  |  | | --- | --- | | **steerForce** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:31:38 | | Last Modified | 19 mars 2016 23:36:07 | |  |  |  | | --- | --- | | **getTarget** | | | Description | function with a Game.Manager instance as first parameter. | | Multiplicity | Unspecified | | Type | function | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:31:38 | | Last Modified | 19 mars 2016 23:45:30 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:27:20 | | Last Modified | 19 mars 2016 23:36:07 | |

|  |  |
| --- | --- |
| **public applyOnObject (object : Object, maxSpeed : float, maxForce : float, getTarget : function) : void** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:35:08 | |  |  |  | | --- | --- | | **maxSpeed** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:35:40 | |  |  |  | | --- | --- | | **maxForce** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:35:49 | |  |  |  | | --- | --- | | **getTarget** | | | Description | function with a Game.Manager instance as first parameter | | Multiplicity | Unspecified | | Type | function | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:36:02 | | Last Modified | 19 mars 2016 23:45:30 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:34:50 | | Last Modified | 19 mars 2016 23:45:30 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Dependency** | |
| From | Image1.png [Homing](#YON1KcqD.AAAAQ4C) |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 21 mars 2016 14:46:13 | | Last Modified | 21 mars 2016 14:49:11 | |

|  |  |
| --- | --- |
| **Unnamed Dependency** | |
| From | Image1.png [Follower](#GMclKcqD.AAAAQzL) |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 21 mars 2016 14:47:03 | | Last Modified | 21 mars 2016 14:49:11 | |

### Image3.png Tag

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:38:32 | | Last Modified | 19 mars 2016 23:46:07 | |

#### Operations

|  |  |
| --- | --- |
| **public applyOnClass (objectClass : class) : void** | |
| Parameters | |  |  | | --- | --- | | **objectClass** | | | Multiplicity | Unspecified | | Type | class | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:40:25 | | Last Modified | 19 mars 2016 23:45:30 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:39:57 | | Last Modified | 19 mars 2016 23:45:30 | |

|  |  |
| --- | --- |
| **public hasTag (object : Object, tag) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:41:53 | | Last Modified | 19 mars 2016 23:45:30 | |  |  |  | | --- | --- | | **tag** | | | Multiplicity | Unspecified | | Direction | inout | | Default Value | undefined | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:41:53 | | Last Modified | 19 mars 2016 23:45:30 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:40:25 | | Last Modified | 19 mars 2016 23:45:30 | |

|  |  |
| --- | --- |
| **public canHaveTag (object : Object) : boolean** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:42:37 | | Last Modified | 19 mars 2016 23:45:30 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:41:53 | | Last Modified | 19 mars 2016 23:45:30 | |

|  |  |
| --- | --- |
| **public getAllObjectsWithTag (gameManager : Manager, tag) : Object** | |
| Parameters | |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | Manager | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:43:26 | | Last Modified | 19 mars 2016 23:45:30 | |  |  |  | | --- | --- | | **tag** | | | Multiplicity | Unspecified | | Direction | inout | | Default Value | undefined | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:43:26 | | Last Modified | 19 mars 2016 23:45:30 | | |
| Leaf | false |
| Type Modifier | [] |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:42:37 | | Last Modified | 19 mars 2016 23:45:30 | |

### Image3.png Bullet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:33:57 | | Last Modified | 21 mars 2016 14:49:11 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private damages : float** | | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:34:36 | | Last Modified | 20 mars 2016 16:36:14 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private launcher : Object** | | | |
| Initial Value | undefined | | |
| Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:37:07 | | Last Modified | 20 mars 2016 16:46:14 | | | |

#### Operations

|  |  |
| --- | --- |
| **public getDamages () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:34:47 | | Last Modified | 20 mars 2016 16:36:14 | |

|  |  |
| --- | --- |
| **public setDamages (damages : float) : void** | |
| Parameters | |  |  | | --- | --- | | **damages** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:34:47 | | Last Modified | 20 mars 2016 16:36:14 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:34:47 | | Last Modified | 20 mars 2016 16:36:14 | |

|  |  |
| --- | --- |
| **public getLauncher () : Object** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:37:17 | | Last Modified | 20 mars 2016 16:46:14 | |

|  |  |
| --- | --- |
| **public setLauncher (launcher : Object) : void** | |
| Parameters | |  |  | | --- | --- | | **launcher** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:37:17 | | Last Modified | 20 mars 2016 16:46:14 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:37:17 | | Last Modified | 20 mars 2016 16:46:14 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Homing](#YON1KcqD.AAAAQ4C) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:39:55 | | Last Modified | 20 mars 2016 16:46:14 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Laser](#23BNKcqD.AAAAQ5_) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:43:30 | | Last Modified | 20 mars 2016 16:46:14 | |

|  |  |
| --- | --- |
| **Unnamed Dependency** | |
| To | Image1.png [LifeTime](#rLHgicqD.AAAAQiW) |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 21 mars 2016 14:43:39 | | Last Modified | 21 mars 2016 14:49:11 | |

|  |  |
| --- | --- |
| **Unnamed Dependency** | |
| To | Image1.png [TraceDrawer](#CK9PKcqD.AAAARFJ) |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 21 mars 2016 14:44:42 | | Last Modified | 21 mars 2016 14:49:11 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Object](#MP9zCcqD.AAAAQPI) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:49:16 | | Last Modified | 20 mars 2016 16:56:44 | |

### Image3.png Collider

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:40:24 | | Last Modified | 20 mars 2016 16:46:14 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Shaped](#U977CcqD.AAAAQT0) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:40:36 | | Last Modified | 20 mars 2016 16:46:14 | |

### Image3.png Energy

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:24:31 | | Last Modified | 19 mars 2016 23:46:07 | |

#### Operations

|  |  |
| --- | --- |
| **public applyOnClass (objectClass : class) : void** | |
| Parameters | |  |  | | --- | --- | | **objectClass** | | | Multiplicity | Unspecified | | Type | class | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:25:03 | | Last Modified | 19 mars 2016 23:26:07 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:24:51 | | Last Modified | 19 mars 2016 23:26:07 | |

### Image3.png LifeTime

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:38:24 | | Last Modified | 21 mars 2016 14:49:11 | |

#### Operations

|  |  |
| --- | --- |
| **public applyOnClass (objectClass : class) : void** | |
| Parameters | |  |  | | --- | --- | | **objectClass** | | | Multiplicity | Unspecified | | Type | class | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:39:06 | | Last Modified | 19 mars 2016 23:45:30 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:38:50 | | Last Modified | 19 mars 2016 23:45:30 | |

|  |  |
| --- | --- |
| **public applyOnObject (object : Object) : void** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:39:38 | | Last Modified | 19 mars 2016 23:45:30 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 19 mars 2016 23:39:26 | | Last Modified | 19 mars 2016 23:45:30 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Dependency** | |
| From | Image1.png [Bullet](#0kqVKcqD.AAAAQ2P) |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 21 mars 2016 14:43:39 | | Last Modified | 21 mars 2016 14:49:11 | |

|  |  |
| --- | --- |
| **Unnamed Dependency** | |
| From | Image1.png [Particle](#LyitKcqD.AAAAQ6z) |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 21 mars 2016 14:45:29 | | Last Modified | 21 mars 2016 14:49:11 | |

### Image3.png Button

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:42:49 | | Last Modified | 2 avr. 2016 17:47:27 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private shape : Shape** | | | |
| Type | Shape | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:43:45 | | Last Modified | 2 avr. 2016 17:47:27 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private shapeColor : String** | | | |
| Type | String | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:43:53 | | Last Modified | 2 avr. 2016 17:47:27 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private attribute** | | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:44:21 | | Last Modified | 2 avr. 2016 17:47:27 | | | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [TextView](#7r2F68qGAqACSAmr) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 2 avr. 2016 17:42:49 | | Last Modified | 2 avr. 2016 17:47:27 | |

### Image3.png SegmentedProgressBar

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 3 avr. 2016 19:46:46 | | Last Modified | 3 avr. 2016 19:49:30 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [ProgressBar](#d1BHG8qGAqACSAp5) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 3 avr. 2016 19:46:46 | | Last Modified | 3 avr. 2016 19:49:30 | |

### Image6.png N/A

|  |  |
| --- | --- |
| **Name** | **Value** |
| Visibility | Unspecified |
| Covering | false |
| Disjoint | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:51:54 | | Last Modified | 20 mars 2016 16:56:44 | |

### Image3.png Homing

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:39:55 | | Last Modified | 21 mars 2016 14:49:11 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private maxAngle : float** | | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:45:14 | | Last Modified | 20 mars 2016 16:46:14 | | | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Dependency** | |
| To | Image1.png [Homing](#tD_fCcqD.AAAAQf6) |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 21 mars 2016 14:46:13 | | Last Modified | 21 mars 2016 14:49:11 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Bullet](#0kqVKcqD.AAAAQ2P) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:39:55 | | Last Modified | 20 mars 2016 16:46:14 | |

### Image3.png Laser

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:43:30 | | Last Modified | 20 mars 2016 16:46:14 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Bullet](#0kqVKcqD.AAAAQ2P) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:43:30 | | Last Modified | 20 mars 2016 16:46:14 | |

### Image5.png particles

|  |  |
| --- | --- |
| **Name** | **Value** |
| Abstract | false |
| Leaf | false |
| Root | false |
| Visibility | public |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:46:06 | | Last Modified | 20 mars 2016 17:55:17 | |

#### Children

|  |  |
| --- | --- |
| **Name** | **Description** |
| Image1.png [Particle](#LyitKcqD.AAAAQ6z) |  |
| Image1.png [Emitor](#fq59KcqD.AAAARA_) |  |
| Image1.png [Stroked](#Y.i9KcqD.AAAARAU) |  |
| Image1.png [Explosion](#ARuTKcqD.AAAAREe) |  |
| Image1.png [TraceDrawer](#CK9PKcqD.AAAARFJ) |  |

### Image3.png Particle

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:46:48 | | Last Modified | 21 mars 2016 14:49:11 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private shape : Shape** | | | |
| Type | Shape | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:56:36 | | Last Modified | 20 mars 2016 16:56:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private color : String** | | | |
| Type | String | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:56:40 | | Last Modified | 20 mars 2016 17:06:44 | | | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Stroked](#Y.i9KcqD.AAAARAU) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:55:33 | | Last Modified | 20 mars 2016 16:56:44 | |

|  |  |
| --- | --- |
| **Unnamed Dependency** | |
| To | Image1.png [LifeTime](#rLHgicqD.AAAAQiW) |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 21 mars 2016 14:45:29 | | Last Modified | 21 mars 2016 14:49:11 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Object](#MP9zCcqD.AAAAQPI) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:53:26 | | Last Modified | 20 mars 2016 16:56:44 | |

### Image3.png Emitor

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:57:03 | | Last Modified | 20 mars 2016 17:16:44 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private rate : float** | | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:58:25 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private emited : int** | | | |
| Initial Value | 0 | | |
| Type | Image4.png int | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:58:30 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private minLifeTime : float** | | | |
| Initial Value | 0.75 | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:58:42 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private maxLifeTime : float** | | | |
| Initial Value | 1.5 | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:58:55 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private minAngle : float** | | | |
| Initial Value | 0 | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:59:05 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private maxAngle : float** | | | |
| Initial Value | 2\*PI | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:59:25 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private minSpeed : float** | | | |
| Initial Value | 300 | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:59:47 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private maxSpeed : float** | | | |
| Initial Value | 400 | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:00:05 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private speedDampFactor : float** | | | |
| Initial Value | 2.5 | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:00:16 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private reduceSizeFactor : float** | | | |
| Initial Value | 1.2 | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:00:31 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private emitDistance : float** | | | |
| Initial Value | 0 | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:00:46 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private max : int** | | | |
| Initial Value | undefined | | |
| Type | Image4.png int | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:00:53 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private particleGenerator : function** | | | |
| Description | a function with parameters :  1 : lifeTime : particle lifetime  2: initialPosition : absolute position of the particle | | |
| Type | function | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:01:09 | | Last Modified | 20 mars 2016 17:06:44 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private emitedParticles** | | | |
| Initial Value | Particle[] | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:01:24 | | Last Modified | 20 mars 2016 17:06:44 | | | |

#### Operations

|  |  |
| --- | --- |
| **public restart () : void** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:03:06 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public stop () : void** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:03:16 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public isRunning () : boolean** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:03:23 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public setAngles (min : float, max : float) : void** | |
| Parameters | |  |  | | --- | --- | | **min** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:03:52 | | Last Modified | 20 mars 2016 17:06:44 | |  |  |  | | --- | --- | | **max** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Default Value | min | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:03:52 | | Last Modified | 20 mars 2016 17:06:44 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:03:30 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public setMinAngle (min : float) : void** | |
| Parameters | |  |  | | --- | --- | | **min** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:04:14 | | Last Modified | 20 mars 2016 17:06:44 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:03:52 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public setMaxAngle (max : float) : void** | |
| Parameters | |  |  | | --- | --- | | **max** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:04:23 | | Last Modified | 20 mars 2016 17:06:44 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:04:14 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public getMinAngle () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:04:23 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public getMaxAngle () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:04:42 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public setEmitDistance (emitDistance : float) : void** | |
| Parameters | |  |  | | --- | --- | | **emitDistance** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:05:16 | | Last Modified | 20 mars 2016 17:06:44 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:04:58 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public getEmitDistance () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:05:16 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public setEmitRate (rate : float) : void** | |
| Parameters | |  |  | | --- | --- | | **rate** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:05:40 | | Last Modified | 20 mars 2016 17:06:44 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:05:28 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public getEmitRate () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:05:40 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public setLifeTime (min : float, max : float) : void** | |
| Parameters | |  |  | | --- | --- | | **min** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:06:11 | | Last Modified | 20 mars 2016 17:06:44 | |  |  |  | | --- | --- | | **max** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Default Value | min | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:06:11 | | Last Modified | 20 mars 2016 17:06:44 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:05:49 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public setMinLifeTime (min : float) : void** | |
| Parameters | |  |  | | --- | --- | | **min** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:06:38 | | Last Modified | 20 mars 2016 17:06:44 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:06:11 | | Last Modified | 20 mars 2016 17:06:44 | |

|  |  |
| --- | --- |
| **public setMaxLifeTime (max : float) : void** | |
| Parameters | |  |  | | --- | --- | | **max** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:06:48 | | Last Modified | 20 mars 2016 17:16:44 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:06:38 | | Last Modified | 20 mars 2016 17:16:44 | |

|  |  |
| --- | --- |
| **public getMinLifeTime () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:06:48 | | Last Modified | 20 mars 2016 17:16:44 | |

|  |  |
| --- | --- |
| **public getMaxLifeTime () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:06:57 | | Last Modified | 20 mars 2016 17:16:44 | |

|  |  |
| --- | --- |
| **public setSpeedDampFactor (factor : float) : void** | |
| Parameters | |  |  | | --- | --- | | **factor** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:07:23 | | Last Modified | 20 mars 2016 17:16:44 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:07:04 | | Last Modified | 20 mars 2016 17:16:44 | |

|  |  |
| --- | --- |
| **public getSpeedDampFactor () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:07:23 | | Last Modified | 20 mars 2016 17:16:44 | |

|  |  |
| --- | --- |
| **public setSizeReduceFactor (factor : float) : void** | |
| Parameters | |  |  | | --- | --- | | **factor** | | | Multiplicity | Unspecified | | Type | Image4.png float | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:08:09 | | Last Modified | 20 mars 2016 17:16:44 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:07:48 | | Last Modified | 20 mars 2016 17:16:44 | |

|  |  |
| --- | --- |
| **public getSizeReduceFactor () : float** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:08:09 | | Last Modified | 20 mars 2016 17:16:44 | |

|  |  |
| --- | --- |
| **public getParticleGenerator () : function** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:08:23 | | Last Modified | 20 mars 2016 17:16:44 | |

|  |  |
| --- | --- |
| **public setParticleGenerator (generator : function) : void** | |
| Parameters | |  |  | | --- | --- | | **generator** | | | Multiplicity | Unspecified | | Type | function | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:08:54 | | Last Modified | 20 mars 2016 17:16:44 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:08:36 | | Last Modified | 20 mars 2016 17:16:44 | |

|  |  |
| --- | --- |
| **public operation ()** | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:08:54 | | Last Modified | 20 mars 2016 17:16:44 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| To | Image1.png [Explosion](#ARuTKcqD.AAAAREe) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:09:29 | | Last Modified | 20 mars 2016 17:16:44 | |

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Object](#MP9zCcqD.AAAAQPI) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:57:34 | | Last Modified | 20 mars 2016 17:06:44 | |

### Image3.png Stroked

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:55:33 | | Last Modified | 20 mars 2016 16:56:44 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Particle](#LyitKcqD.AAAAQ6z) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 16:55:33 | | Last Modified | 20 mars 2016 16:56:44 | |

### Image3.png Explosion

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:09:29 | | Last Modified | 20 mars 2016 17:16:44 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Generalization** | |
| From | Image1.png [Emitor](#fq59KcqD.AAAARA_) |
| Substitutable | false |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:09:29 | | Last Modified | 20 mars 2016 17:16:44 | |

### Image3.png TraceDrawer

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:54:23 | | Last Modified | 21 mars 2016 14:49:11 | |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private lifeTime : float** | | | |
| Type | Image4.png float | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:54:48 | | Last Modified | 20 mars 2016 17:55:17 | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private color : String** | | | |
| Type | String | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 17:55:07 | | Last Modified | 20 mars 2016 17:55:17 | | | |

#### Operations

|  |  |
| --- | --- |
| **public applyOnClass (objectClass : class) : void** | |
| Parameters | |  |  | | --- | --- | | **objectClass** | | | Multiplicity | Unspecified | | Type | class | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 20:07:27 | | Last Modified | 20 mars 2016 20:17:19 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 20:07:07 | | Last Modified | 20 mars 2016 20:17:19 | |

|  |  |
| --- | --- |
| **public applyOnObject (object : Object) : void** | |
| Parameters | |  |  | | --- | --- | | **object** | | | Multiplicity | Unspecified | | Type | Image3.png [Object](#MP9zCcqD.AAAAQPJ) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 20:08:01 | | Last Modified | 20 mars 2016 20:17:19 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 20:07:27 | | Last Modified | 20 mars 2016 20:17:19 | |

|  |  |
| --- | --- |
| **public onMove (gameManager : Manager, from : Vec2, to : Vec2) : void** | |
| Parameters | |  |  | | --- | --- | | **gameManager** | | | Multiplicity | Unspecified | | Type | Image3.png [Manager](#pZJqicqD.AAAAQrS) | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 20:08:29 | | Last Modified | 20 mars 2016 20:17:19 | |  |  |  | | --- | --- | | **from** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 20:08:29 | | Last Modified | 20 mars 2016 20:17:19 | |  |  |  | | --- | --- | | **to** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 20:08:29 | | Last Modified | 20 mars 2016 20:17:19 | | |
| Leaf | false |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 20:08:01 | | Last Modified | 20 mars 2016 20:17:19 | |

|  |  |
| --- | --- |
| **public getParticlesForTranslation (from : Vec2, to : Vec2) : Particle** | |
| Parameters | |  |  | | --- | --- | | **from** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 20:08:57 | | Last Modified | 20 mars 2016 20:17:19 | |  |  |  | | --- | --- | | **to** | | | Multiplicity | Unspecified | | Type | Vec2 | | Direction | inout | | Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 20:08:57 | | Last Modified | 20 mars 2016 20:17:19 | | |
| Leaf | false |
| Type Modifier | [] |
| Ordered | false |
| Unique | true |
| Query | false |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 20 mars 2016 20:08:29 | | Last Modified | 20 mars 2016 20:17:19 | |

#### Relationships

|  |  |
| --- | --- |
| **Unnamed Dependency** | |
| From | Image1.png [Bullet](#0kqVKcqD.AAAAQ2P) |
| Visibility | Unspecified |
| Project Management | |  |  | | --- | --- | | **Name** | **Value** | | Author | rfrance | | Create Date Time | 21 mars 2016 14:44:42 | | Last Modified | 21 mars 2016 14:49:11 | |