Duik

Attributes

string *Duik.version*float *Duik.versionNumber*boolean *Duik.forceReload*

Name	Type	Description
version	string, read-only	Version string of libDuik
versionNumber	float, read-only	Version number of libDuik
forceReload	boolean, read-only during run time	When true, forces libDuik to be reloaded each time it is included in a script. When false, libDuik loads only on first run and then stays available until After Effects is shut down. This attribute should not be changed, unless you're editing libDuik.jsxinc itself and you need to do some testing and reload it without shutting down After Effects. To speed up launching of your scripts even at first launch, instead of including libDuik.jsxinc, you can copy it in the Startup subfolder of the Scripts folder of After Effects, and rename it to libDuik.jsx. This way, libDuik will be available to all scripts without #include macro. This attribute must be set by directly by editing libDuik.jsxinc to work.

Classes

Duik.uiString Duik.settings

Name	Description
uiStrings	Contains all string names used by effects created by Duik. You can set these strings to translate libDuik at runtime. Default values are English names.
settings	Access to settings used by Duik.

Methods

//TODO explications low level, mid level, high level

//TODO tri par level

Duik.addIK(controller, layer1, layer2, layer3, goal, clockWise, threeD, frontFacing)

Duik.addGoal(layer, controller)
Duik.addController(layer)
Duik.addControllers(layers)

Name	Description	Return	Level
addIK(controller, layer1, layer2, layer3, goal, clockWise, threeD, frontFacing)	Adds IK on the layers	true if successful, false if anything went wrong	mid
addGoal(layer, controller)	Adds a goal effect to the layer, which may be controlled by a controller	true if successful, false if anything went wrong	mid
addController(layer)	Creates a null object (controller) at layer position and named by layer.name AVLayer; control		mid
addControllers(layers)	For each layer, Creates a null object (controller) at layer position and named by layer.name	Array of AVLayer; controllers	high

Duik.addIK(controller, layer1, layer2, layer3, goal, clockWise, threeD, frontFacing)

Adds IK on the layers

parameters:

controller | AVLayer

layer1 | AVLayer

layer2 | AVLayer or undefined

layer3 | AVLayer or undefined

goal | AVLayer or undefined

clockWise | boolean, used only with two-layer and three-layer IK, default: false

threeD | boolean, works only with two-layer IK, default: false

frontFacing | boolean, default: false

returns

true if successful, false if anything went wrong

Duik.addGoal(layer, controller)

Adds a goal effect to the layer, which may be controlled by a controller

parameters:

layer | AVLayer controller | AVLayer or undefined

returns

true if successful, false if anything went wrong

Duik.addController(layer)

Creates a null object (controller) at layer position and named by layer.name

parameters

layer | AVLayer

returns

AVLayer controller

Duik.addControllers(layers)

For each layer,

Creates a null object (controller) at layer position and named by layer.name

parameters

layers | Array of AVLayer

returns

Array of AVLayer controllers

Duik.uiStrings

Contains all string names used by effects created by Duik. You can set these strings to translate libDuik at runtime. Default values are English names.

Attributes

Duik.uiStrings.ikFkBox Duik.uiStrings.reverseBox Duik.uiStrings.fkAngle Duik.uiStrings.rootFkAngle Duik.uiStrings.endFkAngle Duik.uiStrings.goalFkAngle Duik.uiStrings.weightSlider

Name	Type	Description
ikFkBox	string	"IK / FK"
reverseBox	string	"Reverse"
fkAngle	string	"FK"
rootFkAngle	string	"Root FK"
endFkAngle	string	"End FK"
goalFkAngle	string	"Goal FK"
weightSlider	string	"LookAt Weight"

Duik.settings

Access to settings used by Duik.

Attributes

Duik.settings.controllerSize Duik.settings.controllerSizeAuto Duik.settings.controllerSizeHint

Name	Type	Description	Default
controllerSize	integer	Size of controllers in pixels	100
controllerSizeAuto	boolean	If true, controller sizes will be automatically adapted to comp size, according to <i>Duik.settings.controllerSizeHint</i>	true
controllerSizeHint	integer	when controllerSizeAuto is true, 0 = small, 1 = medium, 2 = big	1