

MORPHS AREA

We are planning to have a search bar were you can type the name of the morph and search for it. An additional feature is that you will be able to enable or disable halo and block or unblock a morph. This area can be minimize to give more space to the following area.

SCRIPTS, CONNECTIONS AND PROPERTIES AREA

We want to have a filter: most used, last used, all scripts, all connections, all properties. Everything is going to be shown in a list. In the right part of this list we will like an icon that the users can click on and bring that connection or script to the JS Workspace. (eye icon) . For the properties instead of the eye icon the user will be able to modify it directly from the area. You can see in the wireframe that “property 10” has a yellow square that represents a color pallet.

MORPHS AREA

Object Editor

Morphs

Search Morph

Menu 1

Text 9

Circle 4008

Text 45

Rectangle

Circle 4008

Scripts, Connections and Properties

Most Used

Property 10

Script 1

Connection 6

Script 8

Script 3

Connection 7

Script 4

Connection 5

Property

Connection 5

Connection 8

this.addScript(function rebuildButtons() { //this.rebuildButtons();
this.submorphs.select(function (m) { return m instanceof lively.morphic.Button })

this.addScript(function movePiston(cyl) { // Method to move piston and connecting rod
var pi = Math.PI;
var phase = (this.crankAngle - cyl.angle);
if (phase < 0) phase += pi*4;
var dy = (Math.cos(phase) - 1 - 0.1) * this.stroke/2; //0.1 fudge for appearance
cyl.piston.setPosition(cyl.piston.topPos.addXY(0, -dy));
var cycle = Math.floor(phase / pi); // Change color based on cycle
var frac = phase / pi - cycle; // Change shading based on fractional part of cycle
(wow ;-)
switch (cycle) {
case 0: cyl.setFill(Color.blue.lighter()); break; // intake
case 1: cyl.setFill(Color.blue.mixedWith(Color.blue.lighter(), frac)); break; // com
} // exhaust
if (Math.abs(phase-2*pi) < this.angleStep/2) cyl.setFill(Color.yellow); // ignition;

expand

3

JS WORKSPACE

Lock Morph
Disable Halo

You can minimize this area

You can minimize
this area

List:
Last Used
Most Used
All Scripts
All connections
All properties

Properties, connections
and Scripts in the
same area

Select eye icon to view in the JS Workspace.
You can see more than 1 script at a time

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Scripts, Connections and Properties

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expand

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Run
Test
Delete
Save

See more than
1 script at
a time

Code Feedback