Layer Class

Github Link

```
namespace lc::ui::widgets
```

Add Layer

Description

Add a new layer. Color can be added as individual rgb values or through color object.

- Layer Shared Pointer - *Layer*
- Layer Name - *string*
  - returns *Layer*
- Layer Name - *string* , Line width - *double*
  - returns *Layer*
- Layer Name - *string* , Red - *int* , Green - *int*, Blue - *int*
  - returns *Layer*
- Layer Name - *string* , Color - *lc::Color*
  - returns *Layer*
- Layer Name - *string* , Line width - *double* , Red - *int* , Green - *int*, Blue - *int*
  - returns *Layer*
- Layer Name - *string* , Line width - *double* , Color - *lc::Color*
  - returns *Layer*

Examples

- ```
  local layers = mainWindow:layers()
  ```
- ```
  layers:addLayer(layer1)
  ```
- ```
  local layer1 = layers:addLayer("Layer1")
  ```
- ```
  local layer1 = layers:addLayer("Layer1", 2)
  ```
- ```
  local layer1 = layers:addLayer("Layer1", 255, 255, 255)
  ```
- ```
  local layer1 = layers:addLayer("Layer1", lc.Color(1,1,1))
  ```

- `local layer1 = layers:addLayer("Layer1", 2, 255, 255, 255)`

- `local layer1 = layers:addLayer("Layer1", 2, lc.Color(1,1,1))`

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Remove Layer

Description

Remove layer by passing in the layer on or by passing in the the layer object.

- Layer Name - *string*
- Layer Shared Pointer - *Layer*

Examples

- `layers:removeLayer("Layer1")`

- `layers:removeLayer(layer1)`

Find Layer

Description

Find layer by label.

- Layer Label - *string*
  - returns *Layer*

Examples

- `local layer1 = layers:layerByName("Layer1")`

Rename Layer

Description

Rename the given layer to a new layer name.

- Old Layer Name - *string* , New Layer Name - *string*
- Layer - *layer* , New Layer Name - *string*

Examples

- ```
  layers:renameLayer("OldLayer", "NewLayer")
  ```
- ```
  layers:renameLayer(oldLayer, "NewLayer")
  ```

Replace Layer

Description

Replace the given layer with the the new layer passed as the second argument.

- Old Layer Name - *string* , New Layer - *Layer*
- Old Layer - *layer* , New Layer - *Layer*

Examples

- ```
  layers:replaceLayer("OldLayer", newLayer)
  ```
- ```
  layers:replaceLayer(oldLayer, newLayer)
  ```

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