**Package** [dipProject.src.main.java.src](package-summary.html)

**Class imageObject**

* java.lang.Object
  + dipProject.src.main.java.src.imageObject
* public class **imageObject**

extends java.lang.Object

**Author:**

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* + ***Constructor Summary***

|  |  |
| --- | --- |
| **Constructors** | |
| **Constructor** | **Description** |
| [**imageObject**](#%3Cinit%3E())() |  |
| [**imageObject**](#%3Cinit%3E(java.awt.image.BufferedImage)​(java.awt.image.BufferedImage image, java.awt.image.BufferedImage image2, java.io.File selectedFile) |  |
| [**imageObject**](#%3Cinit%3E(java.awt.image.BufferedImage)​(java.awt.image.BufferedImage image, java.io.File selectedFile) |  |

* + ***Method Summary***

|  |  |  |
| --- | --- | --- |
| **All MethodsInstance MethodsConcrete Methods** | | |
| **Modifier and Type** | **Method** | **Description** |
| void | [**doAddition**](#doAddition())() |  |
| void | [**doDivision**](#doDivision())() |  |
| void | [**doLogTransform**](#doLogTransform())() |  |
| void | [**doMultiplication**](#doMultiplication())() |  |
| void | [**doPowerLawTransform**](#doPowerLawTransform())() |  |
| void | [**doSubtraction**](#doSubtraction())() |  |
| java.awt.image.BufferedImage | [**getImage**](#getImage())() |  |
| java.awt.image.BufferedImage | [**getImage2**](#getImage2())() |  |
| java.io.File | [**getSelectedFile**](#getSelectedFile())() |  |
| void | [**makeImageNegative**](#makeImageNegative())() |  |
| void | [**setImage**](#setImage(java.awt.image.BufferedImage))​(java.awt.image.BufferedImage image) |  |
| void | [**setImage2**](#setImage2(java.awt.image.BufferedImage))​(java.awt.image.BufferedImage image2) |  |
| void | [**setSelectedFile**](#setSelectedFile(java.io.File))​(java.io.File selectedFile) |  |
| java.lang.String | [**toString**](#toString())() |  |

* + - **Methods inherited from class java.lang.Object**

clone, equals, getClass, hashCode, notify, notifyAll, wait, wait, wait

* + ***Constructor Detail***
    - **imageObject[Show source in BlueJ]**

public imageObject()

* + - **imageObject[Show source in BlueJ]**
    - public imageObject​(java.awt.image.BufferedImage image,

java.io.File selectedFile)

* + - **imageObject[Show source in BlueJ]**
    - public imageObject​(java.awt.image.BufferedImage image,
    - java.awt.image.BufferedImage image2,

java.io.File selectedFile)

* + ***Method Detail***
    - **getImage[Show source in BlueJ]**

public java.awt.image.BufferedImage getImage()

* + - **getImage2[Show source in BlueJ]**

public java.awt.image.BufferedImage getImage2()

* + - **getSelectedFile[Show source in BlueJ]**

public java.io.File getSelectedFile()

* + - **setImage[Show source in BlueJ]**

public void setImage​(java.awt.image.BufferedImage image)

* + - **setImage2[Show source in BlueJ]**

public void setImage2​(java.awt.image.BufferedImage image2)

* + - **setSelectedFile[Show source in BlueJ]**

public void setSelectedFile​(java.io.File selectedFile)

* + - **toString[Show source in BlueJ]**

public java.lang.String toString()

**Overrides:**

toString in class java.lang.Object

* + - **doPowerLawTransform[Show source in BlueJ]**

public void doPowerLawTransform() throws java.io.IOException

**Throws:**

java.io.IOException

* + - **makeImageNegative[Show source in BlueJ]**

public void makeImageNegative() throws java.io.IOException

**Throws:**

java.io.IOException

* + - **doLogTransform[Show source in BlueJ]**

public void doLogTransform() throws java.io.IOException

**Throws:**

java.io.IOException

* + - **doAddition[Show source in BlueJ]**

public void doAddition() throws java.io.IOException

**Throws:**

java.io.IOException

* + - **doSubtraction[Show source in BlueJ]**

public void doSubtraction() throws java.io.IOException

**Throws:**

java.io.IOException

* + - **doMultiplication[Show source in BlueJ]**

public void doMultiplication() throws java.io.IOException

**Throws:**

java.io.IOException

* + - **doDivision[Show source in BlueJ]**

public void doDivision() throws java.io.IOException

**Throws:**

java.io.IOException