



java.awt.image.*

SampleModel

Methods declared in supertypes are hidden in subtypes



SampleModel

SampleModel (int dataType, int w, int h, int numBands)

Accessors

```
Object getDataElements (int x, int y, Object obj, DataBuffer data)
Object getDataElements (int x, int y, int w, int h, Object obj, DataBuffer data)
int getDataType ()
int getHeight ()
int getNumBands ()
int getNumDataElements ()
int[] getPixel (int x, int y, int iArray[], DataBuffer data)
float[] getPixel (int x, int y, float iArray[], DataBuffer data)
double[] getPixel (int x, int y, double dArray[], DataBuffer data)
int[] getPixels (int x, int y, int w, int h, int iArray[], DataBuffer data)
float[] getPixels (int x, int y, int w, int h, float fArray[], DataBuffer data)
double[] getPixels (int x, int y, int w, int h, double dArray[], DataBuffer data)
int get/setSample (int x, int y, int b, DataBuffer data)
double getSampleDouble (int x, int y, int b, DataBuffer data)
float getSampleFloat (int x, int y, int b, DataBuffer data)
int[] getSampleSize ()
int getSampleSize (int band)
int[] getSamples (int x, int y, int w, int h, int b, int iArray[], DataBuffer data)
float[] getSamples (int x, int y, int w, int h, int b, float fArray[], DataBuffer data)
double[] getSamples (int x, int y, int w, int h, int b, double dArray[], DataBuffer data)
int getTransferType ()
int getWidth ()
void setDataElements (int x, int y, Object obj, DataBuffer data)
void setDataElements (int x, int y, int w, int h, Object obj, DataBuffer data)
void setPixel (int x, int y, int iArray[], DataBuffer data)
void setPixel (int x, int y, float fArray[], DataBuffer data)
void setPixel (int x, int y, double dArray[], DataBuffer data)
void setPixels (int x, int y, int w, int h, int iArray[], DataBuffer data)
void setPixels (int x, int y, int w, int h, float fArray[], DataBuffer data)
void setPixels (int x, int y, int w, int h, double dArray[], DataBuffer data)
void setSample (int x, int y, int b, float s, DataBuffer data)
void setSample (int x, int y, int b, double s, DataBuffer data)
void setSamples (int x, int y, int w, int h, int b, int iArray[], DataBuffer data)
void setSamples (int x, int y, int w, int h, int b, float fArray[], DataBuffer data)
void setSamples (int x, int y, int w, int h, int b, double dArray[], DataBuffer data)
```

Other Public Methods

```
SampleModel createCompatibleSampleModel (int w, int h)
DataBuffer createDataBuffer ()
SampleModel createSubsetSampleModel (int bands[])
```



ComponentSampleModel

ComponentSampleModel (int dataType, int w, int h, int pixelStride, int scanlineStride, int bandOffsets[])

ComponentSampleModel (int dataType, int w, int h, int pixelStride, int scanlineStride, int bandIndices[], int bandOffsets[])

Accessors

```
int[] getBandOffsets ()
int[] getBandIndices ()
int getOffset (int x, int y)
int getOffset (int x, int y, int b)
int getPixelStride ()
int getScanlineStride ()
Object
boolean equals (Object o)
int hashCode ()
```



MultiPixelPackedSampleModel

MultiPixelPackedSampleModel (int dataType, int w, int h, int numberOfBits)

MultiPixelPackedSampleModel (int dataType, int w, int h, int numberOfBits, int scanlineStride, int dataBitOffset)

Accessors

```
int getBitOffset (int x)
int getDataBitOffset ()
int getOffset (int x, int y)
int getPixelBitStride ()
int getScanlineStride ()
void setPixel (int x, int y, int[] iArray, DataBuffer data)
Object
boolean equals (Object o)
int hashCode ()
```



SinglePixelPackedSampleModel

SinglePixelPackedSampleModel (int dataType, int w, int h, int bitMasks[])

SinglePixelPackedSampleModel (int dataType, int w, int h, int scanlineStride, int bitMasks[])

Accessors

```
int[] getBitMasks ()
int[] getBitOffsets ()
int getOffset (int x, int y)
int getScanlineStride ()
Object
boolean equals (Object o)
int hashCode ()
```



BandedSampleModel

BandedSampleModel (int dataType, int w, int h, int numBands)

BandedSampleModel (int dataType, int w, int h, int scanlineStride, int bandIndices[], int bandOffsets[])



PixelInterleavedSampleModel

PixelInterleavedSampleModel (int dataType, int w, int h, int pixelStride, int scanlineStride, int bandOffsets[])