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 fArray[],  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 bankIndices[],
                          int bandOffsets[])

Accessors
```
int[]   getBandOffsets ()
int[]   getBankIndices ()
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 ()
```

BandedSampleModel

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

PixelInterleavedSampleModel

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

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 ()
```