Javaimage   PNG   PDF

** * PngEncoder takes a Java Image object
and creates a byte string which can be saved as a PNG file. * The
Image is presumed to use the DirectColorModel. * * Thanks to Jay
Denny at KeyPoint Software * http://www.keypoint.com/ * who let
me develop this code on company time. * * You may contact me
with (probably very-much-needed) improvements, * comments,
and bug fixes at: * * david@catcode.com * * This library is free
software. you can redistribute it and/or * modify it under the terms
of the GNU Lesser General Public * License as published by the Free
Software Foundation. either * version 2.1 of the License, or (at your
option) any later version. * * This library is distributed in the hope
that it will be useful, * but WITHOUT ANY WARRANTY. without
even the implied warranty of * MERCHANTABILITY or FITNESS
FOR A PARTICULAR PURPOSE. See the GNU * Lesser General
Public License for more details. * * You should have received a copy
of the GNU Lesser General Public * License along with this library. if
not, write to the Free Software * Foundation, Inc., 59 Temple Place,
Suite 330, Boston, MA 02111-1307 USA * A copy of the GNU LGPL
may be found at * http://www.gnu.org/copyleft/lesser.html, * *
@author J. David Eisenberg * @version 1.4, 31 March 2000 */ import
java.awt.*. import java.awt.image.*. import java.util.*. import
java.util.zip.*. import java.io.*. public class PngEncoder extends
Object { /** Constant specifying that alpha channel should be

encoded. */ public static final boolean ENCODE_ALPHA=true. /** Constant specifying that alpha channel should not be encoded. */ public static final boolean NO_ALPHA=false. /** Constants for filters */ public static final int FILTER_NONE = 0. public static final int FILTER_SUB = 1. public static final int FILTER_UP = 2. public static final int FILTER_LAST = 2. protected byte[] pngBytes. protected byte[] priorRow. protected byte[] leftBytes. protected Image image. protected int width, height. protected int bytePos, maxPos. protected int hdrPos, dataPos, endPos. protected CRC32 crc = new CRC32(). protected long crcValue. protected boolean encodeAlpha. protected int filter. protected int bytesPERPixel. protected int compressionLevel. 100Test