package rechner;

import java.awt.\*;

import java.awt.event.\*;

import javax.swing.\*;

import javax.swing.event.\*;

public class Calculator extends JFrame implements CaretListener, ActionListener {

private double diameter, freq; //komponente folgen noch

JTextField jNumberField1; // Textfelder 2-15 folgen noch

JButton jButton1; //btn2-7 folgen noch

public Calculator()

{

setPreferredSize(new Dimension(1360, 700));

setTitle("Calculator Figure of Merit");

setLayout(new GridBagLayout());

GridBagConstraints c = new GridBagConstraints();

c.fill = GridBagConstraints.BOTH;

c.insets = new Insets(10, 1, 10, 3);

jNumberField1 = new JTextField();

jNumberField1.addCaretListener(this);

jNumberField1.addActionListener(this);

c.gridy = 2;

c.gridx = 1;

add(jNumberField1, c);

Font schrift1 = new Font("Arial", Font.BOLD, 18);

//Textfelder folgen noch

JLabel jLabel1 = new JLabel("Gain");

jLabel1.setFont(schrift1);

jLabel1.setHorizontalAlignment(SwingConstants.CENTER);

c.gridy = 1;

c.gridx = 0;

c.gridwidth = 3;

add(jLabel1, c);  
//JLabels folgen noch

jButton6 = new JButton("Clear");

//jButton1.setMargin(new Insets(2, 2, 2, 2));

jButton6.setEnabled(false);

jButton6.addActionListener(this);

c.gridy = 8;

c.gridx = 8;

add(jButton6, c);

jButton7 = new JButton("Clear");

jButton7.setEnabled(true);

jButton7.addActionListener(this);

c.gridy = 12;

c.gridx = 9;

add(jButton7, c);

Diagramm diag = new Diagramm();

c.gridy = 11;

c.gridx = 1;

c.weighty = 0.5;

c.gridwidth = 9;

add(diag, c);

}

public void actionPerformed(ActionEvent e)

{

Object o = e.getSource();

if(o==jButton6){

jNumberField15.setText("");

jNumberField16.setText("");

jNumberField19.setText("");

}

/\*if(o==jButton7) ############## soll das Diagramm leeren

{

Delete();

}\*/

if(o==jButton1 || o==jNumberField1 || o==jNumberField2 || o==jNumberField3 || o==jNumberField4 || o==jNumberField5 ) {

}

//Loss

diameter = Double.parseDouble(jNumberField1.getText());

freq = Double.parseDouble(jNumberField2.getText());

surfacesub = -0.05;

panel = -0.02;

// einige Formeln folgen noch

gain = Math.round(gain \* 100)/100.0;

jNumberField14.setText("" + gain);

}

if(o==jButton2 || o==jNumberField7 || o==jNumberField10)

{

// Noise

pattern = Double.parseDouble(jNumberField8.getText());

templna = Math.round(templna\*100)/100.0; //einige Formeln folgen

jNumberField13.setText("" + templna );

}

if(o==jButton3 || o==jNumberField15 || o==jNumberField16)

{

lnanoise = Double.parseDouble(jNumberField16.getText());

gt = Math.round(gt\*100)/100.0;

jNumberField19.setText("" + gt);

}

}

public static void main(String[] args)

{

Calculator ac = new Calculator();

ac.setVisible(true);

ac.setDefaultCloseOperation(WindowConstants.EXIT\_ON\_CLOSE);

ac.pack();

}

}