

# 程序主入口

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using System.Windows.Forms;
namespace Foundation
{
    internal static class Program
    {
        /// <summary>
        /// 应用程序的主入口点。
        /// </summary>
        [STAThread]
        static void Main()
        {
            Application.EnableVisualStyles();
            Application.SetCompatibleTextRenderingDefault(false);
            Application.Run(new Form1());
        }
    }
}
```

# 界面逻辑代码

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using static System.Windows.Forms.VisualStyles.VisualStyleElement;
using static System.Windows.Forms.VisualStyles.VisualStyleElement.Button;
using MathNet.Numerics.RootFinding;
using MathNet.Numerics;
using System.IO;
```

```

namespace Foundation
{
    public partial class Form1 : Form
    {
        private Color filledBackgroundColor = Color.White;
        public string outresult;
        public int computetime = 1;
        // 页面初始化代码
        public Form1()
        {
            InitializeComponent();
            radioSingle.Checked = true;
            textBoxTCH.Enabled = false;
            textBoxCZ2.Enabled = false;
            textBoxDZ2.Enabled = false;
            textBoxKB2.Enabled = false;
            textBoxSXXS.Enabled = false;
            textBoxHSJMJ.Enabled = false;
            textBoxLLYXXS.Enabled = false;
            textBoxYLYXXS.Enabled = false;
            textBoxZSQDSPCZL.Enabled = false;
            textBoxWYYXZ.Enabled = false;
            textBoxSPCZL.Enabled = false;
            textBoxSXL3.Enabled = false;
            textBoxDXSWSD3.Enabled = false;
            textBoxZDEC.Enabled = false;
            textBoxZDFT.Enabled = false;
            textBoxES.Enabled = false;
            radioButtonYSJJ.Checked = true;
            radioSingle.CheckedChanged += RadioButton_CheckedChanged;
            radioMulty.CheckedChanged += RadioButton_CheckedChanged;
            this.pictureBox1.SizeMode = PictureBoxSizeMode.StretchImage;
            this.Load += new EventHandler(Form1_Load);
            ApplyTextBoxColorChange(new List<System.Windows.Forms.TextBox>
            {
                textBoxCLCSD3,
                textBoxZWJ, textBoxZNJ, textBoxBHC, textBoxPJL, textBoxZDEC, textBoxZDFT, textBoxES, text
                BoxSXL3, textBoxKLBLXS, textBoxSXXS, textBoxLLYXXS, textBoxYLYXXS, textBoxWYYXZ
            });
        }
        // 页面初始加载显示代码
        private void Form1_Load(object sender, EventArgs e)
        {
            textBoxES.Text = "200000";
            dataGridView1.ColumnCount = 6;
        }
    }
}

```

```

dataGridView2.ColumnCount = 4;
dataGridView1.AllowUserToAddRows = false;
dataGridView2.AllowUserToAddRows = false;
dataGridView1.AllowUserToResizeRows = false;
dataGridView1.AllowUserToResizeColumns = false;
dataGridView2.AllowUserToResizeRows = false;
dataGridView2.AllowUserToResizeColumns = false;
dataGridView1.DefaultCellStyle.WrapMode = DataGridViewTriState.True;
dataGridView2.DefaultCellStyle.WrapMode = DataGridViewTriState.True;
dataGridView1.RowHeadersVisible = false;
dataGridView2.RowHeadersVisible = false;
dataGridView1.AutoSizeColumnsMode =
DataGridViewAutoSizeColumnsMode.Fill;
dataGridView2.AutoSizeColumnsMode =
DataGridViewAutoSizeColumnsMode.Fill;
dataGridView1.AutoSizeRowsMode = DataGridViewAutoSizeRowsMode.AllCells;
dataGridView2.AutoSizeRowsMode = DataGridViewAutoSizeRowsMode.AllCells;
dataGridView1.Columns[0].Name = "参数";
dataGridView1.Columns[1].Name = "坚硬、硬质黏土、粉质黏土、密实粉土";
dataGridView1.Columns[2].Name = "可塑黏土、粉质黏土、中密粉土";
dataGridView1.Columns[3].Name = "软塑黏土、粉质黏土、稍密粉土";
dataGridView1.Columns[4].Name = "粗砂、中砂";
dataGridView1.Columns[5].Name = "细沙、粉砂";
dataGridView2.Columns[0].Name = "土的名称";
dataGridView2.Columns[1].Name = "黏性土";
dataGridView2.Columns[2].Name = "粉质黏土、粉土";
dataGridView2.Columns[3].Name = "砂土";
foreach (DataGridViewColumn column in dataGridView1.Columns)
{
    column.DefaultCellStyle.Alignment =
DataGridViewContentAlignment.MiddleCenter;
    column.HeaderCell.Style.Alignment =
DataGridViewContentAlignment.MiddleCenter; // 设置列标题居中对齐
}
foreach (DataGridViewColumn column in dataGridView2.Columns)
{
    column.DefaultCellStyle.Alignment =
DataGridViewContentAlignment.MiddleCenter;
    column.HeaderCell.Style.Alignment =
DataGridViewContentAlignment.MiddleCenter; // 设置列标题居中对齐
}
string[] row1 = new string[] { "重度 (kN/m3) ", "17", "16", "15", "17", "15" };
string[] row2 = new string[] { "等代内摩擦角 (°) ", "35", "30", "15", "35", "30" };
string[] row3 = new string[] { "侧压力系数", "0.72", "0.6", "0.38" };

```

```

        dataGridView1.Rows.Add(row1);
        dataGridView1.Rows.Add(row2);
        dataGridView2.Rows.Add(row3);
        dataGridView3.AllowUserToAddRows = false; // 隐藏未提交的行
        dataGridView3.AutoSizeColumnsMode =
DataGridViewAutoSizeColumnsMode.Fill;
        dataGridView3.AutoSizeRowsMode = DataGridViewAutoSizeRowsMode.AllCells;
        dataGridView3.RowHeadersVisible = true;
        dataGridView3.DefaultCellStyle.Alignment =
DataGridViewContentAlignment.MiddleCenter;
        dataGridView3.ColumnHeadersDefaultCellStyle.Alignment =
DataGridViewContentAlignment.MiddleCenter;
        dataGridView3.RowHeadersDefaultCellStyle.Alignment =
DataGridViewContentAlignment.MiddleCenter;
        dataGridView3.CellValueChanged += new
DataGridViewCellEventHandler(dataGridView3_CellValueChanged);
        dataGridView3.CurrentCellDirtyStateChanged += new
EventHandler(dataGridView3_CurrentCellDirtyStateChanged);
    }
    // 表格三改变时触发函数
    private void dataGridView3_CurrentCellDirtyStateChanged(object sender, EventArgs e)
    {
        if (dataGridView3.IsCurrentCellDirty)
        {
            dataGridView3.CommitEdit(DataGridViewDataErrorContexts.Commit);
        }
    }
    //表格三数据改变时触发函数
    private void dataGridView3_CellValueChanged(object sender,
DataGridViewCellEventArgs e)
    {
        if (e.ColumnIndex == dataGridView3.Columns["Column6"].Index)
        {
            UpdateAccumulatedColumn();
        }
    }
    //触发累加函数
    private void UpdateAccumulatedColumn()
    {
        double accumulatedValue = 0;
        foreach (DataGridViewRow row in dataGridView3.Rows)
        {
            if (double.TryParse(row.Cells["Column6"].Value?.ToString(), out double
cellValue))

```

```

        {
            accumulatedValue += cellValue;
        }
        row.Cells["Column7"].Value = accumulatedValue;
    }
}
// 页面一按钮改变函数
private void RadioButton_CheckedChanged(object sender, EventArgs e)
{
    if (radioSingle.Checked)
    {
        textBoxTCH.Enabled = false;
        textBoxCZ2.Enabled = false;
        textBoxDZ2.Enabled = false;
        textBoxKB2.Enabled = false;
    }
    else if (radioMulty.Checked)
    {
        textBoxTCH.Enabled = true;
        textBoxCZ2.Enabled = true;
        textBoxDZ2.Enabled = true;
        textBoxKB2.Enabled = true;
    }
}
// 取消按钮
private void button2_Click(object sender, EventArgs e)
{
    this.Close();
}

// 确定按钮，开始计算
private void button1_Click(object sender, EventArgs e)
{
    if (radioSingle.Checked)
    {
        if (!AreTextBoxesFilled(textBoxZJ, textBoxYPJ, textBoxZC, textBoxYPJU,
textBoxSYPJZJ, textBoxCZ1, textBoxKB1, textBoxDZ1)) // 根据实际情况传入所有相关的文本框
        {
            return;
        }
    }
    else if (radioMulty.Checked)
    {

```

```
        if (!AreTextBoxesFilled(textBoxZJ, textBoxYPJ, textBoxZC, textBoxYPJU,
        textBoxSYPJZJ, textBoxCZ1, textBoxKB1, textBoxDZ1, textBoxTCH, textBoxCZ2, textBoxKB2,
        textBoxDZ2)) // 根据实际情况传入所有相关的文本框
```

```
{
```

```
    return;
```

```
}
```

```
}
```

```
double 桩径 = Convert.ToDouble(textBoxZJ.Text);
```

```
double 叶片径 = Convert.ToDouble(textBoxYPJ.Text);
```

```
double 桩长 = Convert.ToDouble(textBoxZC.Text);
```

```
double 叶片间距 = Convert.ToDouble(textBoxYPJU.Text);
```

```
double 上片间距 = Convert.ToDouble(textBoxSYPJZJ.Text);
```

```
double 侧摩系数 1 = Convert.ToDouble(textBoxCZ1.Text);
```

```
double 抗拔系数 1 = Convert.ToDouble(textBoxKB1.Text);
```

```
double 端阻系数 1 = Convert.ToDouble(textBoxDZ1.Text);
```

```
double 使用端阻 = Convert.ToDouble(textBoxDZ1.Text);
```

```
double 分割高度 = 0;
```

```
double 侧摩系数 2 = 0;
```

```
double 抗拔系数 2 = 0;
```

```
double 桩径周长 = Math.PI * 桩径;
```

```
double 叶片周长 = Math.PI * 叶片径;
```

```
double u1 = Math.PI * 桩径;
```

```
double u2 = 0;
```

```
double u3 = Math.PI * 叶片径;
```

```
double u4 = Math.PI * 桩径;
```

```
double u5 = 0;
```

```
double l1 = 桩长 - 上片间距 - 叶片径;
```

```
double l2 = 叶片径;
```

```
double l3 = 3 * 叶片径;
```

```
double l4 = 叶片间距 - 4 * 叶片径;
```

```
double l5 = 叶片径;
```

```
List<double> 计算周长列表 = new List<double>();
```

```
List<double> 计算长度列表 = new List<double>();
```

```
double 侧向阻力 = 0;
```

```
double v1 = Math.PI * 桩径;
```

```
double v2 = Math.PI * 叶片径;
```

```
double v3 = 0;
```

```
double v4 = Math.PI * 桩径;
```

```
double v5 = Math.PI * 叶片径;
```

```
double m1 = 桩长 - 上片间距 - 2 * 叶片径;
```

```
double m2 = 2 * 叶片径;
```

```
double m3 = 叶片径;
```

```
double m4 = 叶片间距 - 4 * 叶片径;
```

```
double m5 = 3 * 叶片径;
```

```

List<double> 计算周长列表 2 = new List<double>();
List<double> 计算长度列表 2 = new List<double>();
double 抗拔承载力 = 0;
if (radioSingle.Checked)
{
    侧摩系数 2 = 侧摩系数 1;
    抗拔系数 2 = 抗拔系数 1;
}
else if (radioMulty.Checked)
{
    分割高度 = Convert.ToDouble(textBoxTCH.Text);
    侧摩系数 2 = Convert.ToDouble(textBoxCZ2.Text);
    抗拔系数 2 = Convert.ToDouble(textBoxKB2.Text);
    使用端阻 = Convert.ToDouble(textBoxDZ2.Text);
}
if (叶片间距 <= 3 * 叶片径)
{
    double u6 = Math.PI * 叶片径;
    double l6 = 叶片间距;
    计算周长列表 = new List<double>() { u1, u2, u6 };
    计算长度列表 = new List<double>() { l1, l2, l6 };
    侧向阻力 = 计算侧向阻力(计算周长列表, 计算长度列表, 分割高度, 侧
摩系数 1, 侧摩系数 2);
    double v6 = Math.PI * 叶片径;
    double m6 = 叶片间距;
    计算周长列表 2 = new List<double>() { v1, v2, v6 };
    计算长度列表 2 = new List<double>() { m1, m2, m6 };
    抗拔承载力 = 计算抗拔力(计算周长列表 2, 计算长度列表 2, 分割高度,
抗拔系数 1, 抗拔系数 2, 侧摩系数 1, 侧摩系数 2);
    textBoxYYPJFW.Text = $"叶片距{叶片间距}小于等于 3 倍叶片径{3 * 叶
片径}";
    textBoxBYPJFW.Text = $"叶片距{叶片间距}小于等于 3 倍叶片径{3 * 叶
片径}";
}
else if (3 * 叶片径 < 叶片间距 && 叶片间距 < 4 * 叶片径)
{
    double u7 = 0;
    double l7 = 叶片间距 - 3 * 叶片径;
    计算周长列表 = new List<double>() { u1, u2, u3, u7 };
    计算长度列表 = new List<double>() { l1, l2, l3, l7 };
    侧向阻力 = 计算侧向阻力(计算周长列表, 计算长度列表, 分割高度, 侧
摩系数 1, 侧摩系数 2);
    double v7 = 0;

```

```

        double v8 = Math.PI * 叶片径;
        double m7 = 叶片间距 - 3 * 叶片径;
        double m8 = 3 * 叶片径;
        计算周长列表 2 = new List<double>() { v1, v2, v7, v8 };
        计算长度列表 2 = new List<double>() { m1, m2, m7, m8 };
        抗拔承载力 = 计算抗拔力(计算周长列表 2, 计算长度列表 2, 分割高度,
抗拔系数 1, 抗拔系数 2, 侧摩系数 1, 侧摩系数 2);
        textBoxYYPJFW.Text = $"叶片距{叶片间距}大于 3 倍叶片径{3 * 叶片径}
小于 4 倍叶片径{4*叶片径}";
        textBoxBYPJFW.Text = $"叶片距{叶片间距}大于 3 倍叶片径{3 * 叶片径}
小于 4 倍叶片径{4 * 叶片径}";
    }
    else
    {
        计算周长列表 = new List<double>() { u1, u2, u3, u4, u5 };
        计算长度列表 = new List<double>() { l1, l2, l3, l4, l5 };
        侧向阻力 = 计算侧向阻力(计算周长列表, 计算长度列表, 分割高度, 侧
摩系数 1, 侧摩系数 2);
        计算周长列表 2 = new List<double>() { v1, v2, v3, v4, v5 };
        计算长度列表 2 = new List<double>() { m1, m2, m3, m4, m5 };
        抗拔承载力 = 计算抗拔力(计算周长列表 2, 计算长度列表 2, 分割高度,
抗拔系数 1, 抗拔系数 2, 侧摩系数 1, 侧摩系数 2);
        textBoxYYPJFW.Text = $"叶片距{叶片间距}大于 4 倍叶片径{4 * 叶片
径}";
        textBoxBYPJFW.Text = $"叶片距{叶片间距}大于 4 倍叶片径{4 * 叶片径}";
    }
    double 端阻力 = Math.PI/4*叶片径*叶片径*使用端阻;
    double 抗压承载力标准值 = 侧向阻力 + 端阻力;
    double 抗压承载力特征值 = 抗压承载力标准值 * 0.5;
    double 抗拔承载力特征值 = 抗拔承载力 * 0.5;
    textBoxYJXCZ.Text = $"{侧向阻力:F2}";
    textBoxYJXDZ.Text = $"{端阻力:F2}";
    textBoxYKYCZL.Text = $"{抗压承载力标准值:F2}";
    textBoxYKYCZLT.Text = $"{抗压承载力特征值:F2}";
    textBoxBJXCZL.Text = $"{抗拔承载力:F2}";
    textBoxBKBCZL.Text = $"{抗拔承载力特征值:F2}";
}
// 页面一计算辅助函数
// 检查文本框是否输入正确的函数
private bool AreTextBoxesFilled(params System.Windows.Forms.TextBox[] textBoxes)
{
    foreach (var textBox in textBoxes)
    {
        if (string.IsNullOrEmpty(textBox.Text))

```



```

        {
            MessageBox.Show(" 请将输入参数填写完整 ", "输入错误 ",
MessageBoxButtons.OK, MessageBoxIcon.Warning);
            textBox.Focus();
            return false;
        }
    }
    return true;
}
// 查找索引函数
public static (int, int) FindIndices(List<double> values, double target)
{
    double sum = 0;
    int prevIndex = -1;

    for (int i = 0; i < values.Count; i++)
    {
        sum += values[i];

        if (sum >= target)
        {
            return (prevIndex, i);
        }

        prevIndex = i;
    }

    return (-1, -1); // 如果未找到满足条件的情况
}
// 计算侧向阻力
public static double 计算侧向阻力(List<double> 计算周长列表, List<double> 计算
长度列表, double 分割高度, double 侧摩系数 1, double 侧摩系数 2)
{
    double load = 0;
    int indexcount = 计算周长列表.Count;
    if (分割高度 <= 计算长度列表[0])
    {
        load = 计算周长列表[0] * (分割高度 * 侧摩系数 1 + (计算长度列表[0] -
分割高度) * 侧摩系数 2);
        for (int i = 1; i < indexcount; i++)
        {
            load = load + 计算长度列表[i] * 侧摩系数 2 * 计算周长列表[i];
        }
    }
}

```

```

else
{
    (int, int) index = FindIndices(计算长度列表, 分割高度);
    int preindex = index.Item1;
    for (int i = 0; i < preindex + 1; i++)
    {
        load = load + 计算长度列表[i] * 侧摩系数 1 * 计算周长列表[i];
    }
    load = load + ((分割高度 - 计算长度列表.Take(preindex + 1).Sum()) * 侧摩
系数 1 + (计算长度列表.Take(preindex + 2).Sum() - 分割高度) * 侧摩系数 2) * 计算周长列表
[preindex + 1];
    for (int i = preindex + 2; i < indexcount; i++)
    {
        load = load + 计算长度列表[i] * 侧摩系数 2 * 计算周长列表[i];
    }
}
return load;
}
// 计算抗拔力
public static double 计算抗拔力(List<double> 计算周长列表 2, List<double> 计算长
度列表 2, double 分割高度, double 抗拔系数 1, double 抗拔系数 2, double 侧摩系数 1, double
侧摩系数 2)
{
    double load = 0;
    int indexcount = 计算周长列表 2.Count;
    if (分割高度 <= 计算长度列表 2[0])
    {
        load = 计算周长列表 2[0] * (分割高度 * 抗拔系数 1 * 侧摩系数 1 + (计
算长度列表 2[0] - 分割高度) * 抗拔系数 2 * 侧摩系数 2);
        for (int i = 1; i < indexcount; i++)
        {
            load = load + 计算长度列表 2[i] * 抗拔系数 2 * 侧摩系数 2 * 计算周
长列表 2[i];
        }
    }
    else
    {
        (int, int) index = FindIndices(计算长度列表 2, 分割高度);
        int preindex = index.Item1;
        for (int i = 0; i < preindex + 1; i++)
        {
            load = load + 计算长度列表 2[i] * 抗拔系数 1 * 侧摩系数 1 * 计算周
长列表 2[i];
        }
    }
}

```

```

        load = load + ((分割高度 - 计算长度列表 2.Take(preindex + 1).Sum()) * 抗
拔系数 1 * 侧摩系数 1 + (计算长度列表 2.Take(preindex + 2).Sum() - 分割高度) * 抗拔系数
2 * 侧摩系数 2) * 计算周长列表 2[preindex + 1];
        for (int i = preindex + 2; i < indexcount; i++)
        {
            load = load + 计算长度列表 2[i] * 抗拔系数 2 * 侧摩系数 2 * 计算周
长列表 2[i];
        }
    }
    return load;
}
// 页面二按钮
private void button4_Click(object sender, EventArgs e)
{
    this.Close();
}
// 判断输入参数是否为空
private void button3_Click(object sender, EventArgs e)
{
    if (!AreTextBoxesFilled(textBoxZMS, textBoxZSC, textBoxZC2, textBoxZJ2,
textBoxJQZD, textBoxNMCJ, textBoxCYLXS))
    {
        return;
    }
    double 桩埋深 = Convert.ToDouble(textBoxZMS.Text);
    double 桩伸出地面 = Convert.ToDouble(textBoxZSC.Text);
    double 桩长 = Convert.ToDouble(textBoxZC2.Text);
    double 桩径 = Convert.ToDouble(textBoxZJ2.Text);
    double 加权重度 = Convert.ToDouble(textBoxJQZD.Text);
    double 等代内摩擦角 = Convert.ToDouble(textBoxNMCJ.Text);
    double 侧压力系数 = Convert.ToDouble(textBoxCYLXS.Text);
    double 外摩擦角 = 0;
    外摩擦角 = 加权重度 * Math.Pow(Math.Tan((45 + 等代内摩擦角
/2)*Math.PI/180), 2);
    textBoxWMCJ.Text = 外摩擦角.ToString("F2");
    double 空间增大系数 = 1 + (2 * 桩埋深 / (3 * 桩径)) * 侧压力系数 *
Math.Cos((45 + 等代内摩擦角/2) * (Math.PI / 180)) * Math.Tan(等代内摩擦角*(Math.PI/180));
    textBoxKJZDXS.Text = 空间增大系数.ToString("F2");
    double 计算宽度 = 空间增大系数 * 桩径;
    textBoxJSKD.Text = 计算宽度.ToString("F2");
    double 比值系数 = 桩伸出地面 / 桩埋深;
    textBoxBZ.Text = 比值系数.ToString("F2");
    var roots = Cubic.RealRoots(-0.75 * 比值系数 - 0.5, 0, 1.5 * 比值系数);
    double 扩散角 = roots.Item1;

```

```

        textBoxKSXJJ.Text = 扩散角.ToString("F2");
        double 摩阻系数 = 3 / (1-2*扩散角*扩散角*扩散角);
        textBoxMZXS.Text = 摩阻系数.ToString("F2");
        double 水平抗力 = 外摩擦角 * 计算宽度 * 桩埋深 * 桩埋深 / (比值系数*
摩阻系数);
        textBoxSPKL.Text = 水平抗力.ToString("F2");
    }
    // 页面三按钮
    private void button6_Click(object sender, EventArgs e)
    {
        this.Close();
    }
    // 计算按钮
    private void button5_Click(object sender, EventArgs e)
    {
        if
                                                                    (!
AreTextBoxesFilled(textBoxCLCSD3,textBoxPJL,textBoxZWJ,textBoxZNJ,textBoxBHC,textBo
xES,textBoxZDEC,textBoxZDFT))
        {
            return;
        }
        double 桩身配筋率 = Convert.ToDouble(textBoxPJL.Text);
        if (桩身配筋率 > 0.0065)
        {
            if (!AreTextBoxesFilled(textBoxWYYXZ))
            {
                return;
            }
        }
        else
        {
            if
(!AreTextBoxesFilled(textBoxSXXS,textBoxLLYXXS,textBoxYLYXXS,textBoxSXL3))
            {
                return;
            }
        }

        if (checkBox1.Checked)
        {
            if (!AreTextBoxesFilled(textBoxDXSWSD3))
            {
                return;
            }
        }
    }

```

```

    }
    // 验证表格的数据是否填写完整
    List<int> requireColumnIndex = new List<int>() { 1,2,4,5,7 };
    int lastRowCheckColumnIndex = 3;
    bool allrowFilled = true;
    bool lastRowFilled = true;
    // 遍历所有行，检查 requireColumnIndex 列是否全部填充
    foreach(DataGridViewRow row in dataGridView3.Rows)
    {
        if (row.IsNewRow) continue;
        foreach(var i in requireColumnIndex)
        {
            if(string.IsNullOrEmpty(row.Cells[i].Value?.ToString()))
            {
                allrowFilled = false;
                break;
            }
        }
    }
    // 检查最后一行的 lastRowlastRowCheckColumnIndex 列是否全部填充
    if (dataGridView3.Rows.Count >= 1)
    {
        DataGridViewRow lastcheckrow =
dataGridView3.Rows[dataGridView3.Rows.Count - 1];
        if
(string.IsNullOrEmpty(lastcheckrow.Cells[lastRowCheckColumnIndex].Value?.ToString()))
        {
            lastRowFilled = false;
        }
    }
    if(dataGridView3.Rows.Count == 0)
    {
        allrowFilled = false;
        tabControl1.SelectedTab = tabPage4;
    }
    if(!allrowFilled || !lastRowFilled)
    {
        MessageBox.Show("请将土层数据填写完整");
        return;
    }
    // 获取抗力比例系数
    List<double> targetValues = new List<double>();
    List<double> heightValues = new List<double>();

```

```

foreach (DataGridViewRow row in dataGridView3.Rows)
{
    if (row.IsNewRow) continue;

    if (double.TryParse(row.Cells[7].Value?.ToString(), out double targetValue))
    {
        targetValues.Add(targetValue);
    }

    if (double.TryParse(row.Cells[5].Value?.ToString(), out double heightValue))
    {
        heightValues.Add(heightValue);
    }
}
double 桩外径 = Convert.ToDouble(textBoxZWJ.Text);
double 计算抗力比例系数 = 0;
double threshold = 2 * (桩外径 + 1);
if (targetValues.Count == 1)
{
    计算抗力比例系数 = targetValues[0];
}
else if (targetValues.Count == 2)
{
    double h1 = heightValues[0];
    double h2 = threshold - h1;
    double m1 = targetValues[0];
    double m2 = targetValues[1];
    if (threshold < h1)
    {
        计算抗力比例系数 = m1;
    }
    else
    {
        计算抗力比例系数 = (m1 * h1 * h1 + m2 * (2 * h1 + h2) *
h2)/(threshold*threshold); // 组合值
    }
}
else if (targetValues.Count >= 3)
{
    double h1 = heightValues[0];
    double h2 = heightValues[1];
    double h3 = threshold - h1 - h2;
    double m1 = targetValues[0];
    double m2 = targetValues[1];

```

```

        double m3 = targetValues[2];
        if (threshold < h1)
        {
            计算抗力比例系数 = m1;
        }
        else if (threshold < h1 + h2)
        {
            计算抗力比例系数 = (m1 * h1 * h1 + m2 * (2 * h1 + h2) * h2) /
(threshold * threshold);
        }
        else
        {
            计    算    抗    力    比    例    系    数    =
(m1*h1*h1+m2*(2*h1+h2)*h2+m3*(2*h1+2*h2+h3)*h3)/(threshold * threshold); // 组合值
        }
    }
    double 持力层深度 = Convert.ToDouble(textBoxCLCSD3.Text);
    double 桩内径 = Convert.ToDouble(textBoxZNJ.Text);
    double 保护层厚度 = Convert.ToDouble(textBoxBHC.Text);
    double 桩周长 = Math.PI * 桩外径;
    double aj = Math.PI / 4 * (桩外径 * 桩外径 - 桩内径 * 桩内径);
    double ap1 = Math.PI / 4 * 桩内径 * 桩内径;
    double d0 = 桩外径 - 2 * 保护层厚度 / 1000;
    double 桩端土塞效应系数=0;
    double 桩进入土层总长 =0;
    double 桩自重 = 0;
    if(持力层深度 / 桩外径 < 5)
    {
        桩端土塞效应系数 = 0.16 * 持力层深度 / 桩外径;
    }
    else
    {
        桩端土塞效应系数 = 0.8;
    }
    // 获取表格中的数据
    List<List<string>> data = new List<List<string>>();
    foreach(DataGridViewRow row in dataGridView3.Rows)
    {
        List<string> rowData = new List<string>();
        foreach(DataGridViewCell cell in row.Cells)
        {
            rowData.Add(cell.Value?.ToString() ?? string.Empty);
        }
    }

```

```

        data.Add(rowData);
    }
    // 单桩竖向极限承载力计算
    // 获取 qsik 和土层深度乘积,如果是最后一层的时候就采用进行持力层的深度
    进行计算

    string columnqsikname = "Column3";
    string columnliname = "Column6";
    string columnkbname = "Column5";
    int columnqsikIndex = dataGridView3.Columns[columnqsikname].Index;
    int columnliIndex = dataGridView3.Columns[columnliname].Index;
    int columnkbIndex = dataGridView3.Columns[columnkbname].Index;
    double qsiksum = 0;
    double tuksum = 0;
    for (int i = 0; i < data.Count; i++)
    {
        var row = data[i];
        double value1, value2, value3;
        if (double.TryParse(row[columnqsikIndex], out value1) &&
double.TryParse(row[columnkbIndex], out value3))
        {
            if (i == data.Count - 1) // 判断是否是最后一行
            {
                桩进入土层总长 += 持力层深度;
                qsiksum += value1 * 桩周长 * 持力层深度;
                tuksum += value1 * value3 * 桩周长 * 持力层深度;
            }
            else if (double.TryParse(row[columnliIndex], out value2))
            {
                桩进入土层总长 += value2;
                qsiksum += value1 * value2 * 桩周长;
                tuksum += value1 * value2 * value3 * 桩周长;
            }
        }
    }
    // 获取 qpk 的累计和
    string columnqpkname = "Column4";
    int columnqpkIndex = dataGridView3.Columns[columnqpkname].Index;
    int lastRowIndex = dataGridView3.Rows.Count - 1;
    double
        qpkvalue
        =
    Convert.ToDouble(dataGridView3.Rows[lastRowIndex].Cells[columnqpkIndex].Value.ToString()
    );

    double qpksum = 0;
    qpksum = qpkvalue * (aj + 桩端土塞效应系数 * ap1);
    double 竖向承载力标准值 = qsiksum + qpksum;

```



```

double 竖向承载力特征值 = 竖向承载力标准值 / 2;
// 单桩竖向抗拔极限承载力的计算
// tuksum 和桩进入土层总长上述同时求得, 下面计算自重 (看是否考虑地下水
位)

if (checkBox1.Checked)
{
    double 地下水位深度 = Convert.ToDouble(textBoxDXSWSD3.Text);
    if (地下水位深度 >= 桩进入土层总长)
    {
        MessageBox.Show("地下水位深度大于桩进入土层总长, 请重新输入,
或取消勾选");
        return;
    }
    桩自重 = 地下水位深度 * 15 * aj + (桩进入土层总长 - 地下水位深度) *
25 * aj;
}
else
{
    桩自重 = 桩进入土层总长 * aj * 25;
}
double 抗拔特征值 = tuksum / 2 + 桩自重;
double 混凝土弹性模量 = Convert.ToDouble(textBoxZDEC.Text);
double 钢筋弹性模量 = Convert.ToDouble(textBoxES.Text);
double 模量比值 = 钢筋弹性模量 / 混凝土弹性模量;
double 换算截面模量 = Math.PI * 桩外径 * (桩外径 * 桩外径 + 2 * (模量比
值 - 1) * 桩身配筋率 * d0 * d0) / 32 - Math.PI * 桩内径 * 桩内径 * 桩内径 * 桩内径 / (32 * 桩外径);
double 换算截面惯性矩 = 换算截面模量 * d0 / 2;
double 钢筋面积 = aj * 1000000 * 桩身配筋率;
double 桩身抗弯刚度 = 0.85 * 混凝土弹性模量 * 换算截面惯性矩 * 1000;
double 桩身计算宽度 = 0.9 * (1.5 * 桩外径 + 0.5);
double 水平抗力比例系数 = 计算抗力比例系数;
double 桩水平变形系数 = Math.Pow(水平抗力比例系数 * 1000 * 桩身计算宽
度 / 桩身抗弯刚度, 1.0 / 5.0);
double 换算埋深 = 桩进入土层总长 * 桩水平变形系数;
double 桩顶水平位移系数 = GetSPWYXS(换算埋深,
radioButtonYSJJ.Checked);
double 桩顶最大弯矩系数 = GetWJXS(换算埋深, radioButtonYSJJ.Checked);
textBoxZZC.Text = 桩周长.ToString();
textBoxAJ.Text = aj.ToString();
textBoxAP.Text = ap1.ToString();
textBoxD0.Text = d0.ToString();
textBoxW0.Text = 换算截面模量.ToString();
textBoxI0.Text = 换算截面惯性矩.ToString();
textBoxAS.Text = 钢筋面积.ToString();

```

```

textBoxSXCZL.Text = 竖向承载力标准值.ToString();
textBoxSXCZLTZZ.Text = 竖向承载力特征值.ToString();
textBoxTUK.Text = tuksum.ToString();
textBoxZZZ.Text = 桩自重.ToString();
textBoxKBTZZ.Text = 抗拔特征值.ToString();
textBoxKWGD.Text = 桩身抗弯刚度.ToString();
textBoxZSJSKD.Text = 桩身计算宽度.ToString();
textBoxSPBXXS.Text = 桩水平变形系数.ToString();
textBoxZDSPWYXS.Text = 桩顶水平位移系数.ToString();
textBoxZDWJXS.Text = 桩顶最大弯矩系数.ToString();
textBoxKLBLXS.Text = 水平抗力比例系数.ToString();
double 桩顶水平位移允许值 = 0;
double 位移控制水平承载力 = 0;
double ft = Convert.ToDouble(textBoxZDFT.Text);
double 输入竖向力 = 0;
double 桩截面塑性系数 = 0;
double 桩顶压力竖向影响系数 = 0;
double 桩顶拉力竖向影响系数 = 0;
double 桩身换算截面积 = 0;
double 合成水平承载力特征值 = 0;
if (桩身配筋率 > 0.0065)
{
    桩顶水平位移允许值 = Convert.ToDouble(textBoxWYYXZ.Text);
    位移控制水平承载力 = 0.75 * Math.Pow(桩水平变形系数, 3) * 桩身抗弯
刚度 * 桩顶水平位移允许值 / 桩顶水平位移系数;
    textBoxSPCZL.Text = 位移控制水平承载力.ToString("F2");
}
else
{
    if (输入竖向力 >= 0)
    {
        输入竖向力 = Convert.ToDouble(textBoxSXL3.Text);
        桩截面塑性系数 = Convert.ToDouble(textBoxSXXS.Text);
        桩顶压力竖向影响系数 = Convert.ToDouble(textBoxYLYXXS.Text);
        桩顶拉力竖向影响系数 = Convert.ToDouble(textBoxLLYXXS.Text);
        桩身换算截面积 = Math.PI * 桩外径 * 桩外径 * (1 + (模量比值 - 1)
* 桩身配筋率) / 4;
        // 表示拉力
        合成水平承载力特征值 = 0.75 * 桩水平变形系数 * 桩截面塑性系
数 * ft * 1000 * 换算截面模量 * (1.25 + 22 * 桩身配筋率) * (1 - 桩顶拉力竖向影响系数 *
输入竖向力 / (桩截面塑性系数 * ft * 1000 * 桩身换算截面积)) / 桩顶最大弯矩系数;
    }
    else
    {

```

合成水平承载力特征值 =  $0.75 * \text{桩水平变形系数} * \text{桩截面塑性系数} * f_t * 1000 * \text{换算截面模量} * (1.25 + 22 * \text{桩身配筋率}) * (1 - \text{桩顶压力竖向影响系数} * \text{输入竖向力} / (\text{桩截面塑性系数} * f_t * 1000 * \text{桩身换算截面积})) / \text{桩顶最大弯矩系数};$

```

    }
    textBoxHSJMJ.Text = 桩身换算截面积.ToString();
    textBoxZSQDSPCZL.Text = 合成水平承载力特征值.ToString();
}
// 输出计算书
outresult += "\n";
outresult += "\n";
outresult += $"***** 第 {computetime} 次 计 算 书
*****\n";
outresult += "*****用户输入参数*****\n";
outresult += $"桩外径:{桩外径}m\n";
outresult += $"桩内径:{桩内径}m (0 表示实心桩)\n";
outresult += $"保护层厚度:{保护层厚度}mm\n";
outresult += $"桩身配筋率:{桩身配筋率}\n";
outresult += $"混凝土强度等级:{comboBox1.SelectedItem.ToString()}MPa, 混凝土弹性模量 Ec={混凝土弹性模量}N/mm^2, ft={ft}N/mm^2\n";
outresult += $"钢筋弹性模量 Es:{钢筋弹性模量}N/mm^2\n";
//是否考虑地下水位
if (checkBox1.Checked)
{
    outresult += $"本次计算考虑地下水位：地下水位深度为
{Convert.ToDouble(textBoxDXSWSD3.Text)}m\n";
}
else
{
    outresult += $"本次计算不考虑地下水位\n";
}
outresult += $"桩进入最后一层持力层深度是:{持力层深度}m\n";
outresult += "\n";
outresult += "*****土层信息*****\n";
string rowContent = string.Empty;
foreach (DataGridViewRow row in dataGridView3.Rows)
{
    foreach (DataGridViewCell cell in row.Cells)
    {
        // 获取列名
        string columnName =
dataGridView3.Columns[cell.ColumnIndex].HeaderText;
        string neirong = cell.Value?.ToString() ?? string.Empty;
        rowContent += $" {columnName} : {neirong} \t";
    }
}

```

```

    }
    rowContent+= "\n";
}
outresult += rowContent;
outresult += "\n";
outresult += "*****桩计算参数*****\n";
outresult += $"桩进入土层总长: {桩进入土层总长}\n";
outresult += $"桩的周长值: {桩周长}\n";
outresult += $"桩截面实心面积 Aj: {aj}m^2\n";
outresult += $"桩截面空心面积 Apl: {apl}m^2\n";
outresult += $"除去保护层厚度后的桩径 d0: {d0}m\n";
outresult += $"换算截面模量 w0: {换算截面模量}m^3\n";
outresult += $"换算截面惯性矩 I0: {换算截面惯性矩}m^4\n";
outresult += $"钢筋面积 As: {钢筋面积}m^2\n";
outresult += $"柱身抗弯刚度 EI: {桩身抗弯刚度}kN*m^2\n";
outresult += $"柱身计算宽度 b0: {桩身计算宽度}m\n";
outresult += $"桩的水平变形系数: {桩水平变形系数}m^-1\n";
outresult += $"水平抗力比例系数 m: {水平抗力比例系数}MN/m^4\n";
outresult += "\n";
outresult += "*****桩顶约束情况*****\n";
if (radioButtonYSJJ.Checked)
{
    outresult += "本计算选择的桩顶约束情况是:铰接、自由\n";
}
else if (radioButtonYSGJ.Checked)
{
    outresult += "本计算选择的桩顶约束情况是:固接\n";
}
outresult += $"桩顶最大弯矩系数 Vm: {桩顶最大弯矩系数}\n";
outresult += $"桩顶水平位移系数 Vx: {桩顶水平位移系数}\n";
outresult += "\n";
outresult += "*****桩身竖向抗压、抗拔及水平承载力计算*****\n";
outresult += "*****竖向承载力验算*****\n";
outresult += $"竖向承载力标准值: {竖向承载力标准值}kN\n";
outresult += $"竖向承载力特征值: {竖向承载力特征值}kN\n";
outresult += "\n";
outresult += "*****抗拔承载力计算*****\n";
outresult += $"抗拔承载力标准值 Tuk: {tuksum}kN\n";
outresult += $"考虑水位后桩自重为: {桩自重}kN\n";
outresult += $"抗拔承载力特征值: {抗拔特征值}kN\n";
outresult += "\n";
outresult += "*****水平承载力验算*****\n";
if (桩身配筋率 > 0.0065)
{

```

```

        outresult += "桩身配筋率大于 0.65%，水平承载力由水平位移控制\n";
        outresult += $"桩顶位移允许值：{桩顶水平位移允许值}m\n";
        outresult += $"位移控制的水平承载力为{位移控制水平承载力}kN\n";
    }
    else
    {
        outresult += "桩身配筋率小于 0.65%，水平承载力由桩身强度控制\n";
        outresult += $"输入的桩顶竖向力为：{输入竖向力}kN\n";
        outresult += $"截面塑性系数  $\gamma_m$ ：{桩截面塑性系数}\n";
        outresult += $"桩身换算截面积  $A_n$ ：{桩身换算截面积}mm2\n";
        outresult += $"拉力影响系数：{桩顶拉力竖向影响系数}\n";
        outresult += $"压力影响系数：{桩顶压力竖向影响系数}\n";
        outresult += $"桩身强度控制的水平承载力为：{合成水平承载力特征
值}kN\n";
    }
    computetime += 1;
}
private double GetWJXS(double hsms,bool isjj)
{
    if (isjj)
    {
        // 定义已知点对应的值
        double[] knownValues = { 2.4, 2.6, 2.8, 3.0, 3.5, 4.0 };
        double[] correspondingResults = { 0.601, 0.639, 0.675, 0.703, 0.750, 0.768 };
        if (hsms >= 4)
        {
            return 0.768;
        }
        else if (hsms <= 2.4)
        {
            return 0.601;
        }
        else
        {
            // 进行线性插值
            for (int i = 0; i < knownValues.Length - 1; i++)
            {
                if (hsms >= knownValues[i] && hsms <= knownValues[i + 1])
                {
                    double t = (hsms - knownValues[i]) / (knownValues[i + 1] -
knownValues[i]);
                    return correspondingResults[i] + t * (correspondingResults[i + 1]
- correspondingResults[i]);
                }
            }
        }
    }
}

```

```

        }
    }
}
else
{
    // 定义已知点对应的值
    double[] knownValues = { 2.4, 2.6, 2.8, 3.0, 3.5, 4.0 };
    double[] correspondingResults = { 1.045, 1.018, 0.990, 0.967, 0.934, 0.926 };
    if (hsms >= 4)
    {
        return 0.926;
    }
    else if (hsms <= 2.4)
    {
        return 1.045;
    }
    else
    {
        for (int i = 0; i < knownValues.Length - 1; i++)
        {
            if (hsms >= knownValues[i] && hsms <= knownValues[i + 1])
            {
                double t = (hsms - knownValues[i]) / (knownValues[i + 1] -
knownValues[i]);
                return correspondingResults[i] + t * (correspondingResults[i + 1]
- correspondingResults[i]);
            }
        }
    }
}
return 0;
}
private double GetSPWYXS(double hsms, bool isjj)
{
    if (isjj)
    {
        double[] knownValues = { 2.4, 2.6, 2.8, 3.0, 3.5, 4.0 };
        double[] correspondingResults = { 3.526, 3.163, 2.905, 2.727, 2.502, 2.441 };
        if (hsms >= 4)
        {
            return 2.441;
        }
        else if (hsms <= 2.4)
    }
}

```

```

        {
            return 3.526;
        }
        else
        {
            for (int i = 0; i < knownValues.Length - 1; i++)
            {
                if (hsms >= knownValues[i] && hsms <= knownValues[i + 1])
                {
                    double t = (hsms - knownValues[i]) / (knownValues[i + 1] -
knownValues[i]);
                    return correspondingResults[i] + t * (correspondingResults[i + 1]
- correspondingResults[i]);
                }
            }
        }
    }
    else
    {
        double[] knownValues = { 2.4, 2.6, 2.8, 3.0, 3.5, 4.0 };
        double[] correspondingResults = { 1.095, 1.079, 1.055, 1.028, 0.970, 0.940 };
        if (hsms >= 4)
        {
            return 0.940;
        }
        else if (hsms <= 2.4)
        {
            return 1.095;
        }
        else
        {
            // 进行线性插值
            for (int i = 0; i < knownValues.Length - 1; i++)
            {
                if (hsms >= knownValues[i] && hsms <= knownValues[i + 1])
                {
                    double t = (hsms - knownValues[i]) / (knownValues[i + 1] -
knownValues[i]);
                    return correspondingResults[i] + t * (correspondingResults[i + 1]
- correspondingResults[i]);
                }
            }
        }
    }
}

```

```

        return 0;
    }
    // 配筋率框改变时触发函数
    private void textBoxPJL_TextChanged(object sender, EventArgs e)
    {
        double 配筋率 = 0;
        try
        {
            配筋率 = Convert.ToDouble(textBoxPJL.Text);
        }
        catch (Exception err)
        {

        }

        if (配筋率 <= 0.0065)
        {
            textBoxWYYXZ.BackColor = Color.White;
            textBoxSXL3.Enabled = true;
            textBoxSXXS.Enabled = true;
            textBoxHSJMJ.Enabled = true;
            textBoxLLYXXS.Enabled = true;
            textBoxYLYXXS.Enabled = true;
            textBoxZSQDSPCZL.Enabled = true;
            textBoxSXL3.BackColor = Color.LightSteelBlue;
            textBoxSXXS.BackColor = Color.LightSteelBlue;
            textBoxLLYXXS.BackColor = Color.LightSteelBlue;
            textBoxYLYXXS.BackColor = Color.LightSteelBlue;
            textBoxWYYXZ.Enabled = false;
            textBoxSPCZL.Enabled = false;
        }
        else
        {
            textBoxSXL3.BackColor = Color.White;
            textBoxSXXS.BackColor = Color.White;
            textBoxLLYXXS.BackColor = Color.White;
            textBoxYLYXXS.BackColor = Color.White;
            textBoxSXL3.Enabled = false;
            textBoxSXXS.Enabled = false;
            textBoxHSJMJ.Enabled = false;
            textBoxLLYXXS.Enabled = false;
            textBoxYLYXXS.Enabled = false;
            textBoxWYYXZ.Enabled = true;
            textBoxSPCZL.Enabled = true;
        }
    }
}

```



```

        textBoxWYYXZ.BackColor = Color.LightSteelBlue;
    }
}
private void TextBox_TextChanged(object sender, EventArgs e)
{
    System.Windows.Forms.TextBox textBox = sender as
System.Windows.Forms.TextBox;

    if (!string.IsNullOrEmpty(textBox.Text))
    {
        textBox.BackColor = filledBackgroundColor; // 设置填入后的背景色
    }
    else
    {
        textBox.BackColor = Color.LightSteelBlue;
    }
}
private void ApplyTextBoxColorChange(List<System.Windows.Forms.TextBox>
textBoxes)
{
    foreach (var textBox in textBoxes)
    {
        textBox.TextChanged += TextBox_TextChanged;
    }
}
// 添加一行表格数据
private void button7_Click(object sender, EventArgs e)
{
    int rowIndex = dataGridView3.Rows.Add();
    //DataGridViewRow newRow = dataGridView1.Rows[rowIndex];

    //newRow.Cells["Column6"].Value = "0"; // 确保是一个有效的整数

    UpdateRowHeaders();
}
// 更新行头序号
private void UpdateRowHeaders()
{
    for (int i = 0; i < dataGridView3.Rows.Count; i++)
    {
        dataGridView3.Rows[i].HeaderCell.Value = (i + 1).ToString();
    }
}

```

```

    }
    // 删除当前行的数据
    private void button8_Click(object sender, EventArgs e)
    {
        if (dataGridView3.SelectedCells.Count > 0)
        {
            foreach (DataGridViewCell cell in dataGridView3.SelectedCells)
            {
                if (cell.RowIndex >= 0 && cell.RowIndex < dataGridView3.Rows.Count)
                {
                    dataGridView3.Rows.RemoveAt(cell.RowIndex);
                }
            }
            UpdateRowHeaders();
            UpdateAccumulatedColumn();
        }
        else
        {
            MessageBox.Show("请先选择要删除的单元格。");
        }
    }
    // 上移按钮
    private void button9_Click(object sender, EventArgs e)
    {
        if (dataGridView3.SelectedCells.Count > 0)
        {
            int rowIndex = dataGridView3.SelectedCells[0].RowIndex;
            if (rowIndex > 0)
            {
                DataGridViewRow selectedRow = dataGridView3.Rows[rowIndex];
                dataGridView3.Rows.Remove(selectedRow);
                dataGridView3.Rows.Insert(rowIndex - 1, selectedRow);
                dataGridView3.ClearSelection();
                dataGridView3.Rows[rowIndex - 1].Selected = true;
                dataGridView3.CurrentCell = dataGridView3.Rows[rowIndex -
1].Cells[0];

                UpdateRowHeaders();
                UpdateAccumulatedColumn();
            }
        }
        else
        {
            MessageBox.Show("请先选择要上移的单元格。");
        }
    }

```

```

    }
    // 下移按钮
    private void button10_Click(object sender, EventArgs e)
    {
        if (dataGridView3.SelectedCells.Count > 0)
        {
            int rowIndex = dataGridView3.SelectedCells[0].RowIndex;
            if (rowIndex < dataGridView3.Rows.Count - 1)
            {
                DataGridViewRow selectedRow = dataGridView3.Rows[rowIndex];
                dataGridView3.Rows.Remove(selectedRow);
                dataGridView3.Rows.Insert(rowIndex + 1, selectedRow);
                dataGridView3.ClearSelection();
                dataGridView3.Rows[rowIndex + 1].Selected = true;
                dataGridView3.CurrentCell = dataGridView3.Rows[rowIndex +
1].Cells[0];

                UpdateRowHeaders();
                UpdateAccumulatedColumn();
            }
        }
        else
        {
            MessageBox.Show("请先选择要下移的单元格。");
        }
    }
    // 页面跳转
    private void button11_Click(object sender, EventArgs e)
    {
        tabControl1.SelectedTab = tabPage3;
    }
    // 页面跳转
    private void button12_Click(object sender, EventArgs e)
    {
        tabControl1.SelectedTab = tabPage4;
    }
    // 是否考虑地下水位触发函数
    private void checkBox1_CheckedChanged(object sender, EventArgs e)
    {
        if (checkBox1.Checked)
        {
            textBoxDXSWSD3.Enabled = true;
        }
        else
        {

```

```

        textBoxDXSWSD3.Enabled = false;
    }
}
// 默认参数
private void buttonmr3_Click(object sender, EventArgs e)
{

    textBoxBHC.Text = "40";
    if (string.IsNullOrEmpty(textBoxPJL.Text))
    {
        MessageBox.Show(" 请 将 配 筋 率 填 写 完 整 ", " 输 入 参 数 不 足 ",
        MessageBoxButtons.OK, MessageBoxIcon.Warning);
        textBoxPJL.Focus();
        return;
    }
    double 桩身配筋率 = Convert.ToDouble(textBoxPJL.Text);

    if (桩身配筋率 > 0.0065)
    {
        textBoxWYYXZ.Text = "0.01";

    }
    else
    {
        textBoxSXXS.Text = "2";
        textBoxYLYXXS.Text = "0.5";
        textBoxLLYXXS.Text = "1";
    }
}
// 是否指定混凝土强度
private void checkBoxZDHNT_CheckedChanged(object sender, EventArgs e)
{
    textBoxZDEC.Enabled = checkBoxZDHNT.Checked;
    textBoxZDFT.Enabled = checkBoxZDHNT.Checked;
}
// 混凝土强度选择
private void comboBox1_SelectedIndexChanged(object sender, EventArgs e)
{
    string selectedValue = comboBox1.SelectedItem.ToString();
    if (selectedValue == "C25")
    {
        textBoxZDEC.Text = "28000";
        textBoxZDFT.Text = "1.27";
    }
}

```

```
else if (selectedValue == "C30")
{
    textBoxZDEC.Text = "30000";
    textBoxZDFT.Text = "1.43";
}
else if (selectedValue == "C35")
{
    textBoxZDEC.Text = "31500";
    textBoxZDFT.Text = "1.57";
}
else if (selectedValue == "C40")
{
    textBoxZDEC.Text = "32500";
    textBoxZDFT.Text = "1.71";
}
else if (selectedValue == "C45")
{
    textBoxZDEC.Text = "33500";
    textBoxZDFT.Text = "1.8";
}
else if (selectedValue == "C50")
{
    textBoxZDEC.Text = "34500";
    textBoxZDFT.Text = "1.89";
}
else if (selectedValue == "C55")
{
    textBoxZDEC.Text = "35500";
    textBoxZDFT.Text = "1.96";
}
else if (selectedValue == "C60")
{
    textBoxZDEC.Text = "36000";
    textBoxZDFT.Text = "2.04";
}
else if (selectedValue == "C65")
{
    textBoxZDEC.Text = "36500";
    textBoxZDFT.Text = "2.09";
}
else if (selectedValue == "C70")
{
    textBoxZDEC.Text = "37000";
    textBoxZDFT.Text = "2.14";
}
```

```

    }
    else if (selectedValue == "C75")
    {
        textBoxZDEC.Text = "37500";
        textBoxZDFT.Text = "2.18";
    }
    else if (selectedValue == "C80")
    {
        textBoxZDEC.Text = "38000";
        textBoxZDFT.Text = "2.22";
    }
}
// 是否指定钢筋模量
private void checkBoxZDGJML_CheckedChanged(object sender, EventArgs e)
{
    textBoxES.Enabled = checkBoxZDGJML.Checked;
}
// 结果导出
private void button13_Click(object sender, EventArgs e)
{
    var savefiledialog = new System.Windows.Forms.SaveFileDialog();
    savefiledialog.Filter = "文本文件(*.txt)|*.txt";
    savefiledialog.Title = "保存输出结果";
    if (savefiledialog.ShowDialog() == DialogResult.OK)
    {
        string outputpath = savefiledialog.FileName;
        using (StreamWriter writer = new StreamWriter(outputpath, true))
        {
            writer.Write(outresult+"\n"+"Designed by Fedi in FUJIAN");
        }
        MessageBox.Show("结果已经保存至文件" + outputpath);
    }
}
}
}

```

## 界面设计代码

```

namespace Foundation
{
    partial class Form1
    {
        /// <summary>

```

```

/// 必需的设计器变量。
/// </summary>
private System.ComponentModel.IContainer components = null;
/// <summary>
/// 清理所有正在使用的资源。
/// </summary>
/// <param name="disposing">如果应释放托管资源, 为 true; 否则为 false。</param>
protected override void Dispose(bool disposing)
{
    if (disposing && (components != null))
    {
        components.Dispose();
    }
    base.Dispose(disposing);
}
#region Windows 窗体设计器生成的代码
/// <summary>
/// 设计器支持所需的方法 - 不要修改
/// 使用代码编辑器修改此方法的内容。
/// </summary>
private void InitializeComponent()
{
    System.ComponentModel.ComponentResourceManager resources = new
System.ComponentModel.ComponentResourceManager(typeof(Form1));
    System.Windows.Forms.DataGridViewCellStyle dataGridViewCellStyle49 = new
System.Windows.Forms.DataGridViewCellStyle();
    System.Windows.Forms.DataGridViewCellStyle dataGridViewCellStyle50 = new
System.Windows.Forms.DataGridViewCellStyle();
    System.Windows.Forms.DataGridViewCellStyle dataGridViewCellStyle51 = new
System.Windows.Forms.DataGridViewCellStyle();
    System.Windows.Forms.DataGridViewCellStyle dataGridViewCellStyle52 = new
System.Windows.Forms.DataGridViewCellStyle();
    System.Windows.Forms.DataGridViewCellStyle dataGridViewCellStyle53 = new
System.Windows.Forms.DataGridViewCellStyle();
    System.Windows.Forms.DataGridViewCellStyle dataGridViewCellStyle54 = new
System.Windows.Forms.DataGridViewCellStyle();
    this.tabControl1 = new System.Windows.Forms.TabControl();
    this.tabPage1 = new System.Windows.Forms.TabPage();
    this.pictureBox1 = new System.Windows.Forms.PictureBox();
    this.button2 = new System.Windows.Forms.Button();
    this.groupBox4 = new System.Windows.Forms.GroupBox();
    this.textBoxBYPJFW = new System.Windows.Forms.TextBox();
    this.label20 = new System.Windows.Forms.Label();
    this.textBoxBKBCZL = new System.Windows.Forms.TextBox();

```

```
this.label19 = new System.Windows.Forms.Label();
this.textBoxBJXCZL = new System.Windows.Forms.TextBox();
this.label18 = new System.Windows.Forms.Label();
this.button1 = new System.Windows.Forms.Button();
this.groupBox3 = new System.Windows.Forms.GroupBox();
this.textBoxYKYCZLT = new System.Windows.Forms.TextBox();
this.label17 = new System.Windows.Forms.Label();
this.textBoxYKYCZL = new System.Windows.Forms.TextBox();
this.label16 = new System.Windows.Forms.Label();
this.textBoxYJXDZ = new System.Windows.Forms.TextBox();
this.label15 = new System.Windows.Forms.Label();
this.textBoxYJXCZ = new System.Windows.Forms.TextBox();
this.label14 = new System.Windows.Forms.Label();
this.textBoxYYPJFW = new System.Windows.Forms.TextBox();
this.label13 = new System.Windows.Forms.Label();
this.groupBox2 = new System.Windows.Forms.GroupBox();
this.textBoxKB2 = new System.Windows.Forms.TextBox();
this.label6 = new System.Windows.Forms.Label();
this.textBoxDZ2 = new System.Windows.Forms.TextBox();
this.label12 = new System.Windows.Forms.Label();
this.textBoxCZ2 = new System.Windows.Forms.TextBox();
this.label11 = new System.Windows.Forms.Label();
this.textBoxTCH = new System.Windows.Forms.TextBox();
this.label10 = new System.Windows.Forms.Label();
this.textBoxKB1 = new System.Windows.Forms.TextBox();
this.label9 = new System.Windows.Forms.Label();
this.textBoxDZ1 = new System.Windows.Forms.TextBox();
this.label8 = new System.Windows.Forms.Label();
this.textBoxCZ1 = new System.Windows.Forms.TextBox();
this.label7 = new System.Windows.Forms.Label();
this.radioMulty = new System.Windows.Forms.RadioButton();
this.radioSingle = new System.Windows.Forms.RadioButton();
this.groupBox1 = new System.Windows.Forms.GroupBox();
this.textBoxSYPJZJ = new System.Windows.Forms.TextBox();
this.label5 = new System.Windows.Forms.Label();
this.textBoxYPJU = new System.Windows.Forms.TextBox();
this.label4 = new System.Windows.Forms.Label();
this.textBoxZC = new System.Windows.Forms.TextBox();
this.label3 = new System.Windows.Forms.Label();
this.textBoxYPJ = new System.Windows.Forms.TextBox();
this.label2 = new System.Windows.Forms.Label();
this.textBoxZJ = new System.Windows.Forms.TextBox();
this.label1 = new System.Windows.Forms.Label();
this.tabPage2 = new System.Windows.Forms.TabPage();
```



```
this.pictureBox2 = new System.Windows.Forms.PictureBox();
this.button4 = new System.Windows.Forms.Button();
this.button3 = new System.Windows.Forms.Button();
this.groupBox7 = new System.Windows.Forms.GroupBox();
this.textBoxSPKL = new System.Windows.Forms.TextBox();
this.label37 = new System.Windows.Forms.Label();
this.textBoxMZXS = new System.Windows.Forms.TextBox();
this.label36 = new System.Windows.Forms.Label();
this.textBoxKSXJJ = new System.Windows.Forms.TextBox();
this.label35 = new System.Windows.Forms.Label();
this.textBoxBZ = new System.Windows.Forms.TextBox();
this.label34 = new System.Windows.Forms.Label();
this.textBoxJSKD = new System.Windows.Forms.TextBox();
this.label33 = new System.Windows.Forms.Label();
this.textBoxKJZDXS = new System.Windows.Forms.TextBox();
this.label32 = new System.Windows.Forms.Label();
this.textBoxWMCJ = new System.Windows.Forms.TextBox();
this.label31 = new System.Windows.Forms.Label();
this.label30 = new System.Windows.Forms.Label();
this.dataGridView2 = new System.Windows.Forms.DataGridView();
this.label29 = new System.Windows.Forms.Label();
this.dataGridView1 = new System.Windows.Forms.DataGridView();
this.groupBox6 = new System.Windows.Forms.GroupBox();
this.textBoxCYLXS = new System.Windows.Forms.TextBox();
this.label28 = new System.Windows.Forms.Label();
this.textBoxNMCJ = new System.Windows.Forms.TextBox();
this.label27 = new System.Windows.Forms.Label();
this.textBoxJQZD = new System.Windows.Forms.TextBox();
this.label26 = new System.Windows.Forms.Label();
this.groupBox5 = new System.Windows.Forms.GroupBox();
this.textBoxZJ2 = new System.Windows.Forms.TextBox();
this.label24 = new System.Windows.Forms.Label();
this.textBoxZC2 = new System.Windows.Forms.TextBox();
this.label23 = new System.Windows.Forms.Label();
this.textBoxZSC = new System.Windows.Forms.TextBox();
this.label22 = new System.Windows.Forms.Label();
this.textBoxZMS = new System.Windows.Forms.TextBox();
this.label21 = new System.Windows.Forms.Label();
this.tabPage3 = new System.Windows.Forms.TabPage();
this.button13 = new System.Windows.Forms.Button();
this.buttonmrcs3 = new System.Windows.Forms.Button();
this.groupBox17 = new System.Windows.Forms.GroupBox();
this.radioButtonYSGJ = new System.Windows.Forms.RadioButton();
this.radioButtonYSJJ = new System.Windows.Forms.RadioButton();
```

```
this.textBoxZDSPWYXS = new System.Windows.Forms.TextBox();
this.label64 = new System.Windows.Forms.Label();
this.label78 = new System.Windows.Forms.Label();
this.textBoxZDWJXS = new System.Windows.Forms.TextBox();
this.button6 = new System.Windows.Forms.Button();
this.button5 = new System.Windows.Forms.Button();
this.groupBox14 = new System.Windows.Forms.GroupBox();
this.groupBox16 = new System.Windows.Forms.GroupBox();
this.textBoxSPCZL = new System.Windows.Forms.TextBox();
this.label79 = new System.Windows.Forms.Label();
this.textBoxWYYXZ = new System.Windows.Forms.TextBox();
this.label74 = new System.Windows.Forms.Label();
this.groupBox15 = new System.Windows.Forms.GroupBox();
this.textBoxHSJMJ = new System.Windows.Forms.TextBox();
this.label65 = new System.Windows.Forms.Label();
this.textBoxYLYXXS = new System.Windows.Forms.TextBox();
this.label67 = new System.Windows.Forms.Label();
this.textBoxZSQDSPCZL = new System.Windows.Forms.TextBox();
this.label41 = new System.Windows.Forms.Label();
this.groupBox9 = new System.Windows.Forms.GroupBox();
this.textBoxSXL3 = new System.Windows.Forms.TextBox();
this.label40 = new System.Windows.Forms.Label();
this.textBoxLLYXXS = new System.Windows.Forms.TextBox();
this.label66 = new System.Windows.Forms.Label();
this.textBoxSXXS = new System.Windows.Forms.TextBox();
this.label62 = new System.Windows.Forms.Label();
this.groupBox13 = new System.Windows.Forms.GroupBox();
this.textBoxKBTZZ = new System.Windows.Forms.TextBox();
this.label61 = new System.Windows.Forms.Label();
this.textBoxZZZ = new System.Windows.Forms.TextBox();
this.label60 = new System.Windows.Forms.Label();
this.textBoxTUK = new System.Windows.Forms.TextBox();
this.label59 = new System.Windows.Forms.Label();
this.groupBox11 = new System.Windows.Forms.GroupBox();
this.textBoxAS = new System.Windows.Forms.TextBox();
this.label56 = new System.Windows.Forms.Label();
this.textBoxIO = new System.Windows.Forms.TextBox();
this.label55 = new System.Windows.Forms.Label();
this.textBoxKLBLXS = new System.Windows.Forms.TextBox();
this.textBoxW0 = new System.Windows.Forms.TextBox();
this.label54 = new System.Windows.Forms.Label();
this.textBoxD0 = new System.Windows.Forms.TextBox();
this.textBoxSPBXXS = new System.Windows.Forms.TextBox();
this.label53 = new System.Windows.Forms.Label();
```

```
this.textBoxZSJSKD = new System.Windows.Forms.TextBox();
this.label75 = new System.Windows.Forms.Label();
this.textBoxAP = new System.Windows.Forms.TextBox();
this.label76 = new System.Windows.Forms.Label();
this.label52 = new System.Windows.Forms.Label();
this.textBoxAJ = new System.Windows.Forms.TextBox();
this.label50 = new System.Windows.Forms.Label();
this.label73 = new System.Windows.Forms.Label();
this.textBoxZZC = new System.Windows.Forms.TextBox();
this.label49 = new System.Windows.Forms.Label();
this.textBoxKWGD = new System.Windows.Forms.TextBox();
this.label72 = new System.Windows.Forms.Label();
this.groupBox12 = new System.Windows.Forms.GroupBox();
this.textBoxSXCZLTZZ = new System.Windows.Forms.TextBox();
this.label58 = new System.Windows.Forms.Label();
this.textBoxSXCZL = new System.Windows.Forms.TextBox();
this.label57 = new System.Windows.Forms.Label();
this.groupBox10 = new System.Windows.Forms.GroupBox();
this.button12 = new System.Windows.Forms.Button();
this.checkBox1 = new System.Windows.Forms.CheckBox();
this.textBoxCLCSD3 = new System.Windows.Forms.TextBox();
this.label44 = new System.Windows.Forms.Label();
this.textBoxDXSWSD3 = new System.Windows.Forms.TextBox();
this.label43 = new System.Windows.Forms.Label();
this.groupBox8 = new System.Windows.Forms.GroupBox();
this.comboBox1 = new System.Windows.Forms.ComboBox();
this.checkBoxZDGJML = new System.Windows.Forms.CheckBox();
this.textBoxZDFT = new System.Windows.Forms.TextBox();
this.label45 = new System.Windows.Forms.Label();
this.textBoxZDEC = new System.Windows.Forms.TextBox();
this.label42 = new System.Windows.Forms.Label();
this.checkBoxZDHNT = new System.Windows.Forms.CheckBox();
this.textBoxES = new System.Windows.Forms.TextBox();
this.textBoxPJL = new System.Windows.Forms.TextBox();
this.label71 = new System.Windows.Forms.Label();
this.label46 = new System.Windows.Forms.Label();
this.label51 = new System.Windows.Forms.Label();
this.textBoxBHC = new System.Windows.Forms.TextBox();
this.label39 = new System.Windows.Forms.Label();
this.textBoxZNJ = new System.Windows.Forms.TextBox();
this.label38 = new System.Windows.Forms.Label();
this.textBoxZWJ = new System.Windows.Forms.TextBox();
this.label25 = new System.Windows.Forms.Label();
this.tabPage4 = new System.Windows.Forms.TabPage();
```

```
this.button11 = new System.Windows.Forms.Button();
this.button10 = new System.Windows.Forms.Button();
this.button9 = new System.Windows.Forms.Button();
this.button8 = new System.Windows.Forms.Button();
this.button7 = new System.Windows.Forms.Button();
this.dataGridView3 = new System.Windows.Forms.DataGridView();
this.Column1 = new System.Windows.Forms.DataGridViewTextBoxColumn();
this.Column2 = new System.Windows.Forms.DataGridViewComboBoxColumn();
this.Column3 = new System.Windows.Forms.DataGridViewTextBoxColumn();
this.Column4 = new System.Windows.Forms.DataGridViewTextBoxColumn();
this.Column5 = new System.Windows.Forms.DataGridViewTextBoxColumn();
this.Column6 = new System.Windows.Forms.DataGridViewTextBoxColumn();
this.Column7 = new System.Windows.Forms.DataGridViewTextBoxColumn();
this.Column8 = new System.Windows.Forms.DataGridViewTextBoxColumn();
this.statusStrip1 = new System.Windows.Forms.StatusStrip();
this.toolStripStatusLabel1 = new System.Windows.Forms.ToolStripStatusLabel();
this.tabControl1.SuspendLayout();
this.tabPage1.SuspendLayout();
((System.ComponentModel.ISupportInitialize)(this.pictureBox1)).BeginInit();
this.groupBox4.SuspendLayout();
this.groupBox3.SuspendLayout();
this.groupBox2.SuspendLayout();
this.groupBox1.SuspendLayout();
this.tabPage2.SuspendLayout();
((System.ComponentModel.ISupportInitialize)(this.pictureBox2)).BeginInit();
this.groupBox7.SuspendLayout();
((System.ComponentModel.ISupportInitialize)(this.dataGridView2)).BeginInit();
((System.ComponentModel.ISupportInitialize)(this.dataGridView1)).BeginInit();
this.groupBox6.SuspendLayout();
this.groupBox5.SuspendLayout();
this.tabPage3.SuspendLayout();
this.groupBox17.SuspendLayout();
this.groupBox14.SuspendLayout();
this.groupBox16.SuspendLayout();
this.groupBox15.SuspendLayout();
this.groupBox9.SuspendLayout();
this.groupBox13.SuspendLayout();
this.groupBox11.SuspendLayout();
this.groupBox12.SuspendLayout();
this.groupBox10.SuspendLayout();
this.groupBox8.SuspendLayout();
this.tabPage4.SuspendLayout();
((System.ComponentModel.ISupportInitialize)(this.dataGridView3)).BeginInit();
this.statusStrip1.SuspendLayout();
```

```

this.SuspendLayout();
//
// tabControl1
//
this.tabControl1.Controls.Add(this.tabPage1);
this.tabControl1.Controls.Add(this.tabPage2);
this.tabControl1.Controls.Add(this.tabPage3);
this.tabControl1.Controls.Add(this.tabPage4);
resources.ApplyResources(this.tabControl1, "tabControl1");
this.tabControl1.Name = "tabControl1";
this.tabControl1.SelectedIndex = 0;
//
// tabPage1
//
this.tabPage1.Controls.Add(this.pictureBox1);
this.tabPage1.Controls.Add(this.button2);
this.tabPage1.Controls.Add(this.groupBox4);
this.tabPage1.Controls.Add(this.button1);
this.tabPage1.Controls.Add(this.groupBox3);
this.tabPage1.Controls.Add(this.groupBox2);
this.tabPage1.Controls.Add(this.groupBox1);
resources.ApplyResources(this.tabPage1, "tabPage1");
this.tabPage1.Name = "tabPage1";
this.tabPage1.UseVisualStyleBackColor = true;
//
// pictureBox1
//
this.pictureBox1.Image = global::Foundation.Properties.Resources.图片_1;
resources.ApplyResources(this.pictureBox1, "pictureBox1");
this.pictureBox1.Name = "pictureBox1";
this.pictureBox1.TabStop = false;
//
// button2
//
resources.ApplyResources(this.button2, "button2");
this.button2.Name = "button2";
this.button2.UseVisualStyleBackColor = true;
this.button2.Click += new System.EventHandler(this.button2_Click);
//
// groupBox4
//
this.groupBox4.Controls.Add(this.textBoxBYPJFW);
this.groupBox4.Controls.Add(this.label20);
this.groupBox4.Controls.Add(this.textBoxBKBCZL);

```

```
this.groupBox4.Controls.Add(this.label19);
this.groupBox4.Controls.Add(this.textBoxBJXCZL);
this.groupBox4.Controls.Add(this.label18);
resources.ApplyResources(this.groupBox4, "groupBox4");
this.groupBox4.Name = "groupBox4";
this.groupBox4.TabStop = false;
//
// textBoxBYPJFW
//
resources.ApplyResources(this.textBoxBYPJFW, "textBoxBYPJFW");
this.textBoxBYPJFW.Name = "textBoxBYPJFW";
//
// label20
//
resources.ApplyResources(this.label20, "label20");
this.label20.Name = "label20";
//
// textBoxBKBCZL
//
resources.ApplyResources(this.textBoxBKBCZL, "textBoxBKBCZL");
this.textBoxBKBCZL.Name = "textBoxBKBCZL";
//
// label19
//
resources.ApplyResources(this.label19, "label19");
this.label19.ForeColor = System.Drawing.Color.Red;
this.label19.Name = "label19";
//
// textBoxBJXCZL
//
resources.ApplyResources(this.textBoxBJXCZL, "textBoxBJXCZL");
this.textBoxBJXCZL.Name = "textBoxBJXCZL";
//
// label18
//
resources.ApplyResources(this.label18, "label18");
this.label18.ForeColor = System.Drawing.Color.Red;
this.label18.Name = "label18";
//
// button1
//
resources.ApplyResources(this.button1, "button1");
this.button1.Name = "button1";
this.button1.UseVisualStyleBackColor = true;
```

```
this.button1.Click += new System.EventHandler(this.button1_Click);
//
// groupBox3
//
this.groupBox3.Controls.Add(this.textBoxYKYCZLT);
this.groupBox3.Controls.Add(this.label17);
this.groupBox3.Controls.Add(this.textBoxYKYCZL);
this.groupBox3.Controls.Add(this.label16);
this.groupBox3.Controls.Add(this.textBoxYJXDZ);
this.groupBox3.Controls.Add(this.label15);
this.groupBox3.Controls.Add(this.textBoxYJXCZ);
this.groupBox3.Controls.Add(this.label14);
this.groupBox3.Controls.Add(this.textBoxYYPJFW);
this.groupBox3.Controls.Add(this.label13);
resources.ApplyResources(this.groupBox3, "groupBox3");
this.groupBox3.Name = "groupBox3";
this.groupBox3.TabStop = false;
//
// textBoxYKYCZLT
//
resources.ApplyResources(this.textBoxYKYCZLT, "textBoxYKYCZLT");
this.textBoxYKYCZLT.Name = "textBoxYKYCZLT";
//
// label17
//
resources.ApplyResources(this.label17, "label17");
this.label17.ForeColor = System.Drawing.Color.Red;
this.label17.Name = "label17";
//
// textBoxYKYCZL
//
resources.ApplyResources(this.textBoxYKYCZL, "textBoxYKYCZL");
this.textBoxYKYCZL.Name = "textBoxYKYCZL";
//
// label16
//
resources.ApplyResources(this.label16, "label16");
this.label16.ForeColor = System.Drawing.Color.Red;
this.label16.Name = "label16";
//
// textBoxYJXDZ
//
resources.ApplyResources(this.textBoxYJXDZ, "textBoxYJXDZ");
this.textBoxYJXDZ.Name = "textBoxYJXDZ";
```

```

//
// label15
//
resources.ApplyResources(this.label15, "label15");
this.label15.Name = "label15";
//
// textBoxYJXCZ
//
resources.ApplyResources(this.textBoxYJXCZ, "textBoxYJXCZ");
this.textBoxYJXCZ.Name = "textBoxYJXCZ";
//
// label14
//
resources.ApplyResources(this.label14, "label14");
this.label14.Name = "label14";
//
// textBoxYYPJFW
//
resources.ApplyResources(this.textBoxYYPJFW, "textBoxYYPJFW");
this.textBoxYYPJFW.Name = "textBoxYYPJFW";
//
// label13
//
resources.ApplyResources(this.label13, "label13");
this.label13.Name = "label13";
//
// groupBox2
//
this.groupBox2.Controls.Add(this.textBoxKB2);
this.groupBox2.Controls.Add(this.label6);
this.groupBox2.Controls.Add(this.textBoxDZ2);
this.groupBox2.Controls.Add(this.label12);
this.groupBox2.Controls.Add(this.textBoxCZ2);
this.groupBox2.Controls.Add(this.label11);
this.groupBox2.Controls.Add(this.textBoxTCH);
this.groupBox2.Controls.Add(this.label10);
this.groupBox2.Controls.Add(this.textBoxKB1);
this.groupBox2.Controls.Add(this.label9);
this.groupBox2.Controls.Add(this.textBoxDZ1);
this.groupBox2.Controls.Add(this.label8);
this.groupBox2.Controls.Add(this.textBoxCZ1);
this.groupBox2.Controls.Add(this.label7);
this.groupBox2.Controls.Add(this.radioMulty);
this.groupBox2.Controls.Add(this.radioSingle);

```



```
resources.ApplyResources(this.groupBox2, "groupBox2");
this.groupBox2.Name = "groupBox2";
this.groupBox2.TabStop = false;
//
// textBoxKB2
//
resources.ApplyResources(this.textBoxKB2, "textBoxKB2");
this.textBoxKB2.Name = "textBoxKB2";
//
// label6
//
resources.ApplyResources(this.label6, "label6");
this.label6.Name = "label6";
//
// textBoxDZ2
//
resources.ApplyResources(this.textBoxDZ2, "textBoxDZ2");
this.textBoxDZ2.Name = "textBoxDZ2";
//
// label12
//
resources.ApplyResources(this.label12, "label12");
this.label12.Name = "label12";
//
// textBoxCZ2
//
resources.ApplyResources(this.textBoxCZ2, "textBoxCZ2");
this.textBoxCZ2.Name = "textBoxCZ2";
//
// label11
//
resources.ApplyResources(this.label11, "label11");
this.label11.Name = "label11";
//
// textBoxTCH
//
resources.ApplyResources(this.textBoxTCH, "textBoxTCH");
this.textBoxTCH.Name = "textBoxTCH";
//
// label10
//
resources.ApplyResources(this.label10, "label10");
this.label10.Name = "label10";
//
```

```

// textBoxKB1
//
resources.ApplyResources(this.textBoxKB1, "textBoxKB1");
this.textBoxKB1.Name = "textBoxKB1";
//
// label9
//
resources.ApplyResources(this.label9, "label9");
this.label9.Name = "label9";
//
// textBoxDZ1
//
resources.ApplyResources(this.textBoxDZ1, "textBoxDZ1");
this.textBoxDZ1.Name = "textBoxDZ1";
//
// label8
//
resources.ApplyResources(this.label8, "label8");
this.label8.Name = "label8";
//
// textBoxCZ1
//
resources.ApplyResources(this.textBoxCZ1, "textBoxCZ1");
this.textBoxCZ1.Name = "textBoxCZ1";
//
// label7
//
resources.ApplyResources(this.label7, "label7");
this.label7.Name = "label7";
//
// radioMulty
//
resources.ApplyResources(this.radioMulty, "radioMulty");
this.radioMulty.Name = "radioMulty";
this.radioMulty.TabStop = true;
this.radioMulty.UseVisualStyleBackColor = true;
this.radioMulty.CheckedChanged += new
System.EventHandler(this.radioButton2_CheckedChanged);
//
// radioSingle
//
resources.ApplyResources(this.radioSingle, "radioSingle");
this.radioSingle.Name = "radioSingle";
this.radioSingle.TabStop = true;

```

```

this.radioButton1.UseVisualStyleBackColor = true;
//
// groupBox1
//
this.groupBox1.Controls.Add(this.textBoxSYPJZJ);
this.groupBox1.Controls.Add(this.label5);
this.groupBox1.Controls.Add(this.textBoxYPJU);
this.groupBox1.Controls.Add(this.label4);
this.groupBox1.Controls.Add(this.textBoxZC);
this.groupBox1.Controls.Add(this.label3);
this.groupBox1.Controls.Add(this.textBoxYPJ);
this.groupBox1.Controls.Add(this.label2);
this.groupBox1.Controls.Add(this.textBoxZJ);
this.groupBox1.Controls.Add(this.label1);
resources.ApplyResources(this.groupBox1, "groupBox1");
this.groupBox1.Name = "groupBox1";
this.groupBox1.TabStop = false;
//
// textBoxSYPJZJ
//
resources.ApplyResources(this.textBoxSYPJZJ, "textBoxSYPJZJ");
this.textBoxSYPJZJ.Name = "textBoxSYPJZJ";
//
// label5
//
resources.ApplyResources(this.label5, "label5");
this.label5.Name = "label5";
//
// textBoxYPJU
//
resources.ApplyResources(this.textBoxYPJU, "textBoxYPJU");
this.textBoxYPJU.Name = "textBoxYPJU";
//
// label4
//
resources.ApplyResources(this.label4, "label4");
this.label4.Name = "label4";
//
// textBoxZC
//
resources.ApplyResources(this.textBoxZC, "textBoxZC");
this.textBoxZC.Name = "textBoxZC";
//
// label3

```

```

//
resources.ApplyResources(this.label3, "label3");
this.label3.Name = "label3";
//
// textBoxYPJ
//
resources.ApplyResources(this.textBoxYPJ, "textBoxYPJ");
this.textBoxYPJ.Name = "textBoxYPJ";
//
// label2
//
resources.ApplyResources(this.label2, "label2");
this.label2.Name = "label2";
//
// textBoxZJ
//
resources.ApplyResources(this.textBoxZJ, "textBoxZJ");
this.textBoxZJ.Name = "textBoxZJ";
//
// label1
//
resources.ApplyResources(this.label1, "label1");
this.label1.Name = "label1";
//
// tabPage2
//
this.tabPage2.Controls.Add(this.pictureBox2);
this.tabPage2.Controls.Add(this.button4);
this.tabPage2.Controls.Add(this.button3);
this.tabPage2.Controls.Add(this.groupBox7);
this.tabPage2.Controls.Add(this.label30);
this.tabPage2.Controls.Add(this.dataGridView2);
this.tabPage2.Controls.Add(this.label29);
this.tabPage2.Controls.Add(this.dataGridView1);
this.tabPage2.Controls.Add(this.groupBox6);
this.tabPage2.Controls.Add(this.groupBox5);
resources.ApplyResources(this.tabPage2, "tabPage2");
this.tabPage2.Name = "tabPage2";
this.tabPage2.UseVisualStyleBackColor = true;
//
// pictureBox2
//
this.pictureBox2.Image = global::Foundation.Properties.Resources.桩基抗倾覆计
算参数示意图;

```

```
resources.ApplyResources(this.pictureBox2, "pictureBox2");
this.pictureBox2.Name = "pictureBox2";
this.pictureBox2.TabStop = false;
//
// button4
//
resources.ApplyResources(this.button4, "button4");
this.button4.Name = "button4";
this.button4.UseVisualStyleBackColor = true;
this.button4.Click += new System.EventHandler(this.button4_Click);
//
// button3
//
resources.ApplyResources(this.button3, "button3");
this.button3.Name = "button3";
this.button3.UseVisualStyleBackColor = true;
this.button3.Click += new System.EventHandler(this.button3_Click);
//
// groupBox7
//
this.groupBox7.Controls.Add(this.textBoxSPKL);
this.groupBox7.Controls.Add(this.label37);
this.groupBox7.Controls.Add(this.textBoxMZXS);
this.groupBox7.Controls.Add(this.label36);
this.groupBox7.Controls.Add(this.textBoxKSXJJ);
this.groupBox7.Controls.Add(this.label35);
this.groupBox7.Controls.Add(this.textBoxBZ);
this.groupBox7.Controls.Add(this.label34);
this.groupBox7.Controls.Add(this.textBoxJSKD);
this.groupBox7.Controls.Add(this.label33);
this.groupBox7.Controls.Add(this.textBoxKJZDXS);
this.groupBox7.Controls.Add(this.label32);
this.groupBox7.Controls.Add(this.textBoxWMCJ);
this.groupBox7.Controls.Add(this.label31);
resources.ApplyResources(this.groupBox7, "groupBox7");
this.groupBox7.Name = "groupBox7";
this.groupBox7.TabStop = false;
//
// textBoxSPKL
//
resources.ApplyResources(this.textBoxSPKL, "textBoxSPKL");
this.textBoxSPKL.Name = "textBoxSPKL";
//
// label37
```

```
//
resources.ApplyResources(this.label37, "label37");
this.label37.ForeColor = System.Drawing.Color.Red;
this.label37.Name = "label37";
//
// textBoxMZXS
//
resources.ApplyResources(this.textBoxMZXS, "textBoxMZXS");
this.textBoxMZXS.Name = "textBoxMZXS";
//
// label36
//
resources.ApplyResources(this.label36, "label36");
this.label36.Name = "label36";
//
// textBoxKSXJJ
//
resources.ApplyResources(this.textBoxKSXJJ, "textBoxKSXJJ");
this.textBoxKSXJJ.Name = "textBoxKSXJJ";
//
// label35
//
resources.ApplyResources(this.label35, "label35");
this.label35.Name = "label35";
//
// textBoxBZ
//
resources.ApplyResources(this.textBoxBZ, "textBoxBZ");
this.textBoxBZ.Name = "textBoxBZ";
//
// label34
//
resources.ApplyResources(this.label34, "label34");
this.label34.Name = "label34";
//
// textBoxJSKD
//
resources.ApplyResources(this.textBoxJSKD, "textBoxJSKD");
this.textBoxJSKD.Name = "textBoxJSKD";
//
// label33
//
resources.ApplyResources(this.label33, "label33");
this.label33.Name = "label33";
```

```

//
// textBoxKJZDXS
//
resources.ApplyResources(this.textBoxKJZDXS, "textBoxKJZDXS");
this.textBoxKJZDXS.Name = "textBoxKJZDXS";
//
// label32
//
resources.ApplyResources(this.label32, "label32");
this.label32.Name = "label32";
//
// textBoxWMCJ
//
resources.ApplyResources(this.textBoxWMCJ, "textBoxWMCJ");
this.textBoxWMCJ.Name = "textBoxWMCJ";
//
// label31
//
resources.ApplyResources(this.label31, "label31");
this.label31.Name = "label31";
//
// label30
//
resources.ApplyResources(this.label30, "label30");
this.label30.Name = "label30";
//
// dataGridView2
//
dataGridViewCellStyle49.Alignment =
System.Windows.Forms.DataGridViewContentAlignment.MiddleLeft;
dataGridViewCellStyle49.BackColor = System.Drawing.SystemColors.Control;
dataGridViewCellStyle49.Font = new System.Drawing.Font("宋体", 9F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(134)));
dataGridViewCellStyle49.ForeColor =
System.Drawing.SystemColors.WindowText;
dataGridViewCellStyle49.SelectionBackColor =
System.Drawing.SystemColors.Highlight;
dataGridViewCellStyle49.SelectionForeColor =
System.Drawing.SystemColors.HighlightText;
dataGridViewCellStyle49.WrapMode =
System.Windows.Forms.DataGridViewTriState.True;
this.dataGridView2.ColumnHeadersDefaultCellStyle = dataGridViewCellStyle49;
this.dataGridView2.ColumnHeadersHeightSizeMode =
System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;

```

```

        dataGridViewCellStyle50.Alignment =
System.Windows.Forms.DataGridViewContentAlignment.MiddleLeft;
        dataGridViewCellStyle50.BackColor = System.Drawing.SystemColors.Window;
        dataGridViewCellStyle50.Font = new System.Drawing.Font(" 宋 体 ", 9F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(134)));
        dataGridViewCellStyle50.ForeColor = System.Drawing.SystemColors.ControlText;
        dataGridViewCellStyle50.SelectionBackColor =
System.Drawing.SystemColors.Highlight;
        dataGridViewCellStyle50.SelectionForeColor =
System.Drawing.SystemColors.HighlightText;
        dataGridViewCellStyle50.WrapMode =
System.Windows.Forms.DataGridViewTriState.False;
        this.dataGridView2.DefaultCellStyle = dataGridViewCellStyle50;
        resources.ApplyResources(this.dataGridView2, "dataGridView2");
        this.dataGridView2.Name = "dataGridView2";
        dataGridViewCellStyle51.Alignment =
System.Windows.Forms.DataGridViewContentAlignment.MiddleLeft;
        dataGridViewCellStyle51.BackColor = System.Drawing.SystemColors.Control;
        dataGridViewCellStyle51.Font = new System.Drawing.Font(" 宋 体 ", 9F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(134)));
        dataGridViewCellStyle51.ForeColor =
System.Drawing.SystemColors.WindowText;
        dataGridViewCellStyle51.SelectionBackColor =
System.Drawing.SystemColors.Highlight;
        dataGridViewCellStyle51.SelectionForeColor =
System.Drawing.SystemColors.HighlightText;
        dataGridViewCellStyle51.WrapMode =
System.Windows.Forms.DataGridViewTriState.True;
        this.dataGridView2.RowHeadersDefaultCellStyle = dataGridViewCellStyle51;
        this.dataGridView2.RowTemplate.Height = 23;
        //
        // label29
        //
        resources.ApplyResources(this.label29, "label29");
        this.label29.Name = "label29";
        //
        // dataGridView1
        //
        dataGridViewCellStyle52.Alignment =
System.Windows.Forms.DataGridViewContentAlignment.MiddleLeft;
        dataGridViewCellStyle52.BackColor = System.Drawing.SystemColors.Control;
        dataGridViewCellStyle52.Font = new System.Drawing.Font(" 宋 体 ", 9F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(134)));
        dataGridViewCellStyle52.ForeColor =

```



```

System.Drawing.SystemColors.WindowText;
    dataGridViewCellStyle52.SelectionBackColor                                =
System.Drawing.SystemColors.Highlight;
    dataGridViewCellStyle52.SelectionForeColor                                =
System.Drawing.SystemColors.HighlightText;
    dataGridViewCellStyle52.WrapMode                                         =
System.Windows.Forms.DataGridViewTriState.True;
    this.dataGridView1.ColumnHeadersDefaultCellStyle = dataGridViewCellStyle52;
    this.dataGridView1.ColumnHeadersHeightSizeMode                           =
System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;
    dataGridViewCellStyle53.Alignment                                       =
System.Windows.Forms.DataGridViewContentAlignment.MiddleLeft;
    dataGridViewCellStyle53.BackColor = System.Drawing.SystemColors.Window;
    dataGridViewCellStyle53.Font = new System.Drawing.Font(" 宋 体 ", 9F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(134)));
    dataGridViewCellStyle53.ForeColor = System.Drawing.SystemColors.ControlText;
    dataGridViewCellStyle53.SelectionBackColor                                =
System.Drawing.SystemColors.Highlight;
    dataGridViewCellStyle53.SelectionForeColor                                =
System.Drawing.SystemColors.HighlightText;
    dataGridViewCellStyle53.WrapMode                                         =
System.Windows.Forms.DataGridViewTriState.False;
    this.dataGridView1.DefaultCellStyle = dataGridViewCellStyle53;
    resources.ApplyResources(this.dataGridView1, "dataGridView1");
    this.dataGridView1.Name = "dataGridView1";
    dataGridViewCellStyle54.Alignment                                       =
System.Windows.Forms.DataGridViewContentAlignment.MiddleLeft;
    dataGridViewCellStyle54.BackColor = System.Drawing.SystemColors.Control;
    dataGridViewCellStyle54.Font = new System.Drawing.Font(" 宋 体 ", 9F,
System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(134)));
    dataGridViewCellStyle54.ForeColor                                        =
System.Drawing.SystemColors.WindowText;
    dataGridViewCellStyle54.SelectionBackColor                                =
System.Drawing.SystemColors.Highlight;
    dataGridViewCellStyle54.SelectionForeColor                                =
System.Drawing.SystemColors.HighlightText;
    dataGridViewCellStyle54.WrapMode                                         =
System.Windows.Forms.DataGridViewTriState.True;
    this.dataGridView1.RowHeadersDefaultCellStyle = dataGridViewCellStyle54;
    this.dataGridView1.RowTemplate.Height = 23;
    //
    // groupBox6
    //
    this.groupBox6.Controls.Add(this.textBoxCYLXS);

```

```
this.groupBox6.Controls.Add(this.label28);
this.groupBox6.Controls.Add(this.textBoxNMCJ);
this.groupBox6.Controls.Add(this.label27);
this.groupBox6.Controls.Add(this.textBoxJQZD);
this.groupBox6.Controls.Add(this.label26);
resources.ApplyResources(this.groupBox6, "groupBox6");
this.groupBox6.Name = "groupBox6";
this.groupBox6.TabStop = false;
//
// textBoxCYLXS
//
resources.ApplyResources(this.textBoxCYLXS, "textBoxCYLXS");
this.textBoxCYLXS.Name = "textBoxCYLXS";
//
// label28
//
resources.ApplyResources(this.label28, "label28");
this.label28.Name = "label28";
//
// textBoxNMCJ
//
resources.ApplyResources(this.textBoxNMCJ, "textBoxNMCJ");
this.textBoxNMCJ.Name = "textBoxNMCJ";
//
// label27
//
resources.ApplyResources(this.label27, "label27");
this.label27.Name = "label27";
//
// textBoxJQZD
//
resources.ApplyResources(this.textBoxJQZD, "textBoxJQZD");
this.textBoxJQZD.Name = "textBoxJQZD";
//
// label26
//
resources.ApplyResources(this.label26, "label26");
this.label26.Name = "label26";
//
// groupBox5
//
this.groupBox5.Controls.Add(this.textBoxZJ2);
this.groupBox5.Controls.Add(this.label24);
this.groupBox5.Controls.Add(this.textBoxZC2);
```

```
this.groupBox5.Controls.Add(this.label23);
this.groupBox5.Controls.Add(this.textBoxZSC);
this.groupBox5.Controls.Add(this.label22);
this.groupBox5.Controls.Add(this.textBoxZMS);
this.groupBox5.Controls.Add(this.label21);
resources.ApplyResources(this.groupBox5, "groupBox5");
this.groupBox5.Name = "groupBox5";
this.groupBox5.TabStop = false;
//
// textBoxZJ2
//
resources.ApplyResources(this.textBoxZJ2, "textBoxZJ2");
this.textBoxZJ2.Name = "textBoxZJ2";
//
// label24
//
resources.ApplyResources(this.label24, "label24");
this.label24.Name = "label24";
//
// textBoxZC2
//
resources.ApplyResources(this.textBoxZC2, "textBoxZC2");
this.textBoxZC2.Name = "textBoxZC2";
//
// label23
//
resources.ApplyResources(this.label23, "label23");
this.label23.Name = "label23";
//
// textBoxZSC
//
resources.ApplyResources(this.textBoxZSC, "textBoxZSC");
this.textBoxZSC.Name = "textBoxZSC";
//
// label22
//
resources.ApplyResources(this.label22, "label22");
this.label22.Name = "label22";
//
// textBoxZMS
//
resources.ApplyResources(this.textBoxZMS, "textBoxZMS");
this.textBoxZMS.Name = "textBoxZMS";
//
```

```

// label21
//
resources.ApplyResources(this.label21, "label21");
this.label21.Name = "label21";
//
// tabPage3
//
this.tabPage3.Controls.Add(this.button13);
this.tabPage3.Controls.Add(this.buttonmrcs3);
this.tabPage3.Controls.Add(this.groupBox17);
this.tabPage3.Controls.Add(this.button6);
this.tabPage3.Controls.Add(this.button5);
this.tabPage3.Controls.Add(this.groupBox14);
this.tabPage3.Controls.Add(this.groupBox13);
this.tabPage3.Controls.Add(this.groupBox11);
this.tabPage3.Controls.Add(this.groupBox12);
this.tabPage3.Controls.Add(this.groupBox10);
this.tabPage3.Controls.Add(this.groupBox8);
resources.ApplyResources(this.tabPage3, "tabPage3");
this.tabPage3.Name = "tabPage3";
this.tabPage3.UseVisualStyleBackColor = true;
//
// button13
//
resources.ApplyResources(this.button13, "button13");
this.button13.Name = "button13";
this.button13.UseVisualStyleBackColor = true;
this.button13.Click += new System.EventHandler(this.button13_Click);
//
// buttonmrcs3
//
resources.ApplyResources(this.buttonmrcs3, "buttonmrcs3");
this.buttonmrcs3.Name = "buttonmrcs3";
this.buttonmrcs3.UseVisualStyleBackColor = true;
this.buttonmrcs3.Click += new System.EventHandler(this.buttonmrcs3_Click);
//
// groupBox17
//
this.groupBox17.Controls.Add(this.radioButtonYSGJ);
this.groupBox17.Controls.Add(this.radioButtonYSJJ);
this.groupBox17.Controls.Add(this.textBoxZDSPWYXS);
this.groupBox17.Controls.Add(this.label64);
this.groupBox17.Controls.Add(this.label78);
this.groupBox17.Controls.Add(this.textBoxZDWJXS);

```

```

resources.ApplyResources(this.groupBox17, "groupBox17");
this.groupBox17.Name = "groupBox17";
this.groupBox17.TabStop = false;
//
// radioButtonYSGJ
//
resources.ApplyResources(this.radioButtonYSGJ, "radioButtonYSGJ");
this.radioButtonYSGJ.Name = "radioButtonYSGJ";
this.radioButtonYSGJ.TabStop = true;
this.radioButtonYSGJ.UseVisualStyleBackColor = true;
//
// radioButtonYSJJ
//
resources.ApplyResources(this.radioButtonYSJJ, "radioButtonYSJJ");
this.radioButtonYSJJ.Name = "radioButtonYSJJ";
this.radioButtonYSJJ.TabStop = true;
this.radioButtonYSJJ.UseVisualStyleBackColor = true;
//
// textBoxZDSPWYXS
//
this.textBoxZDSPWYXS.BackColor = System.Drawing.SystemColors.Window;
resources.ApplyResources(this.textBoxZDSPWYXS, "textBoxZDSPWYXS");
this.textBoxZDSPWYXS.Name = "textBoxZDSPWYXS";
//
// label64
//
resources.ApplyResources(this.label64, "label64");
this.label64.Name = "label64";
//
// label78
//
resources.ApplyResources(this.label78, "label78");
this.label78.Name = "label78";
//
// textBoxZDWJXS
//
this.textBoxZDWJXS.BackColor = System.Drawing.SystemColors.Window;
resources.ApplyResources(this.textBoxZDWJXS, "textBoxZDWJXS");
this.textBoxZDWJXS.Name = "textBoxZDWJXS";
//
// button6
//
resources.ApplyResources(this.button6, "button6");
this.button6.Name = "button6";

```

```

this.button6.UseVisualStyleBackColor = true;
this.button6.Click += new System.EventHandler(this.button6_Click);
//
// button5
//
resources.ApplyResources(this.button5, "button5");
this.button5.Name = "button5";
this.button5.UseVisualStyleBackColor = true;
this.button5.Click += new System.EventHandler(this.button5_Click);
//
// groupBox14
//
this.groupBox14.BackColor = System.Drawing.Color.Transparent;
this.groupBox14.Controls.Add(this.groupBox16);
this.groupBox14.Controls.Add(this.groupBox15);
this.groupBox14.ForeColor = System.Drawing.SystemColors.ControlText;
resources.ApplyResources(this.groupBox14, "groupBox14");
this.groupBox14.Name = "groupBox14";
this.groupBox14.TabStop = false;
//
// groupBox16
//
this.groupBox16.Controls.Add(this.textBoxSPCZL);
this.groupBox16.Controls.Add(this.label79);
this.groupBox16.Controls.Add(this.textBoxWYYXZ);
this.groupBox16.Controls.Add(this.label74);
resources.ApplyResources(this.groupBox16, "groupBox16");
this.groupBox16.Name = "groupBox16";
this.groupBox16.TabStop = false;
//
// textBoxSPCZL
//
resources.ApplyResources(this.textBoxSPCZL, "textBoxSPCZL");
this.textBoxSPCZL.Name = "textBoxSPCZL";
//
// label79
//
resources.ApplyResources(this.label79, "label79");
this.label79.ForeColor = System.Drawing.Color.Red;
this.label79.Name = "label79";
//
// textBoxWYYXZ
//
this.textBoxWYYXZ.BackColor = System.Drawing.SystemColors.Window;

```

```
resources.ApplyResources(this.textBoxWYYXZ, "textBoxWYYXZ");
this.textBoxWYYXZ.Name = "textBoxWYYXZ";
//
// label74
//
resources.ApplyResources(this.label74, "label74");
this.label74.Name = "label74";
//
// groupBox15
//
this.groupBox15.Controls.Add(this.textBoxHSJMJ);
this.groupBox15.Controls.Add(this.label65);
this.groupBox15.Controls.Add(this.textBoxYLYXXS);
this.groupBox15.Controls.Add(this.label67);
this.groupBox15.Controls.Add(this.textBoxZSQDSPCZL);
this.groupBox15.Controls.Add(this.label41);
this.groupBox15.Controls.Add(this.groupBox9);
this.groupBox15.Controls.Add(this.textBoxLLYXXS);
this.groupBox15.Controls.Add(this.label66);
this.groupBox15.Controls.Add(this.textBoxSXXS);
this.groupBox15.Controls.Add(this.label62);
resources.ApplyResources(this.groupBox15, "groupBox15");
this.groupBox15.Name = "groupBox15";
this.groupBox15.TabStop = false;
//
// textBoxHSJMJ
//
resources.ApplyResources(this.textBoxHSJMJ, "textBoxHSJMJ");
this.textBoxHSJMJ.Name = "textBoxHSJMJ";
//
// label65
//
resources.ApplyResources(this.label65, "label65");
this.label65.Name = "label65";
//
// textBoxYLYXXS
//
this.textBoxYLYXXS.BackColor = System.Drawing.SystemColors.Window;
resources.ApplyResources(this.textBoxYLYXXS, "textBoxYLYXXS");
this.textBoxYLYXXS.Name = "textBoxYLYXXS";
//
// label67
//
resources.ApplyResources(this.label67, "label67");
```

```
this.label67.Name = "label67";
//
// textBoxZSQDSPCZL
//
this.textBoxZSQDSPCZL.BackColor = System.Drawing.SystemColors.Window;
resources.ApplyResources(this.textBoxZSQDSPCZL, "textBoxZSQDSPCZL");
this.textBoxZSQDSPCZL.Name = "textBoxZSQDSPCZL";
//
// label41
//
resources.ApplyResources(this.label41, "label41");
this.label41.ForeColor = System.Drawing.Color.Red;
this.label41.Name = "label41";
//
// groupBox9
//
this.groupBox9.Controls.Add(this.textBoxSXL3);
this.groupBox9.Controls.Add(this.label40);
resources.ApplyResources(this.groupBox9, "groupBox9");
this.groupBox9.Name = "groupBox9";
this.groupBox9.TabStop = false;
//
// textBoxSXL3
//
this.textBoxSXL3.BackColor = System.Drawing.SystemColors.Window;
resources.ApplyResources(this.textBoxSXL3, "textBoxSXL3");
this.textBoxSXL3.Name = "textBoxSXL3";
//
// label40
//
resources.ApplyResources(this.label40, "label40");
this.label40.Name = "label40";
//
// textBoxLLYXXS
//
this.textBoxLLYXXS.BackColor = System.Drawing.SystemColors.Window;
resources.ApplyResources(this.textBoxLLYXXS, "textBoxLLYXXS");
this.textBoxLLYXXS.Name = "textBoxLLYXXS";
//
// label66
//
resources.ApplyResources(this.label66, "label66");
this.label66.Name = "label66";
//
```



```

// textBoxSXXS
//
this.textBoxSXXS.BackColor = System.Drawing.SystemColors.Window;
resources.ApplyResources(this.textBoxSXXS, "textBoxSXXS");
this.textBoxSXXS.Name = "textBoxSXXS";
//
// label62
//
resources.ApplyResources(this.label62, "label62");
this.label62.Name = "label62";
//
// groupBox13
//
this.groupBox13.Controls.Add(this.textBoxKBTZZ);
this.groupBox13.Controls.Add(this.label61);
this.groupBox13.Controls.Add(this.textBoxZZZ);
this.groupBox13.Controls.Add(this.label60);
this.groupBox13.Controls.Add(this.textBoxTUK);
this.groupBox13.Controls.Add(this.label59);
resources.ApplyResources(this.groupBox13, "groupBox13");
this.groupBox13.Name = "groupBox13";
this.groupBox13.TabStop = false;
//
// textBoxKBTZZ
//
resources.ApplyResources(this.textBoxKBTZZ, "textBoxKBTZZ");
this.textBoxKBTZZ.Name = "textBoxKBTZZ";
//
// label61
//
resources.ApplyResources(this.label61, "label61");
this.label61.ForeColor = System.Drawing.Color.Red;
this.label61.Name = "label61";
//
// textBoxZZZ
//
resources.ApplyResources(this.textBoxZZZ, "textBoxZZZ");
this.textBoxZZZ.Name = "textBoxZZZ";
//
// label60
//
resources.ApplyResources(this.label60, "label60");
this.label60.Name = "label60";
//

```

```

// textBoxTUK
//
resources.ApplyResources(this.textBoxTUK, "textBoxTUK");
this.textBoxTUK.Name = "textBoxTUK";
//
// label59
//
resources.ApplyResources(this.label59, "label59");
this.label59.Name = "label59";
//
// groupBox11
//
this.groupBox11.Controls.Add(this.textBoxAS);
this.groupBox11.Controls.Add(this.label56);
this.groupBox11.Controls.Add(this.textBoxI0);
this.groupBox11.Controls.Add(this.label55);
this.groupBox11.Controls.Add(this.textBoxKLBLXS);
this.groupBox11.Controls.Add(this.textBoxW0);
this.groupBox11.Controls.Add(this.label54);
this.groupBox11.Controls.Add(this.textBoxD0);
this.groupBox11.Controls.Add(this.textBoxSPBXXS);
this.groupBox11.Controls.Add(this.label53);
this.groupBox11.Controls.Add(this.textBoxZSJKD);
this.groupBox11.Controls.Add(this.label75);
this.groupBox11.Controls.Add(this.textBoxAP);
this.groupBox11.Controls.Add(this.label76);
this.groupBox11.Controls.Add(this.label52);
this.groupBox11.Controls.Add(this.textBoxAJ);
this.groupBox11.Controls.Add(this.label50);
this.groupBox11.Controls.Add(this.label73);
this.groupBox11.Controls.Add(this.textBoxZZC);
this.groupBox11.Controls.Add(this.label49);
this.groupBox11.Controls.Add(this.textBoxKWGD);
this.groupBox11.Controls.Add(this.label72);
resources.ApplyResources(this.groupBox11, "groupBox11");
this.groupBox11.Name = "groupBox11";
this.groupBox11.TabStop = false;
//
// textBoxAS
//
resources.ApplyResources(this.textBoxAS, "textBoxAS");
this.textBoxAS.Name = "textBoxAS";
//
// label56

```

```
//
resources.ApplyResources(this.label56, "label56");
this.label56.Name = "label56";
//
// textBoxI0
//
resources.ApplyResources(this.textBoxI0, "textBoxI0");
this.textBoxI0.Name = "textBoxI0";
//
// label55
//
resources.ApplyResources(this.label55, "label55");
this.label55.Name = "label55";
//
// textBoxKLBLXS
//
this.textBoxKLBLXS.BackColor = System.Drawing.SystemColors.Window;
resources.ApplyResources(this.textBoxKLBLXS, "textBoxKLBLXS");
this.textBoxKLBLXS.Name = "textBoxKLBLXS";
//
// textBoxW0
//
resources.ApplyResources(this.textBoxW0, "textBoxW0");
this.textBoxW0.Name = "textBoxW0";
//
// label54
//
resources.ApplyResources(this.label54, "label54");
this.label54.Name = "label54";
//
// textBoxD0
//
resources.ApplyResources(this.textBoxD0, "textBoxD0");
this.textBoxD0.Name = "textBoxD0";
//
// textBoxSPBXXS
//
resources.ApplyResources(this.textBoxSPBXXS, "textBoxSPBXXS");
this.textBoxSPBXXS.Name = "textBoxSPBXXS";
//
// label53
//
resources.ApplyResources(this.label53, "label53");
this.label53.Name = "label53";
```

```
//
// textBoxZSJSKD
//
resources.ApplyResources(this.textBoxZSJSKD, "textBoxZSJSKD");
this.textBoxZSJSKD.Name = "textBoxZSJSKD";
//
// label75
//
resources.ApplyResources(this.label75, "label75");
this.label75.Name = "label75";
//
// textBoxAP
//
resources.ApplyResources(this.textBoxAP, "textBoxAP");
this.textBoxAP.Name = "textBoxAP";
//
// label76
//
resources.ApplyResources(this.label76, "label76");
this.label76.Name = "label76";
//
// label52
//
resources.ApplyResources(this.label52, "label52");
this.label52.Name = "label52";
//
// textBoxAJ
//
resources.ApplyResources(this.textBoxAJ, "textBoxAJ");
this.textBoxAJ.Name = "textBoxAJ";
//
// label50
//
resources.ApplyResources(this.label50, "label50");
this.label50.Name = "label50";
//
// label73
//
resources.ApplyResources(this.label73, "label73");
this.label73.Name = "label73";
//
// textBoxZZC
//
resources.ApplyResources(this.textBoxZZC, "textBoxZZC");
```

```
this.textBoxZZC.Name = "textBoxZZC";
//
// label49
//
resources.ApplyResources(this.label49, "label49");
this.label49.Name = "label49";
//
// textBoxKWGD
//
resources.ApplyResources(this.textBoxKWGD, "textBoxKWGD");
this.textBoxKWGD.Name = "textBoxKWGD";
//
// label72
//
resources.ApplyResources(this.label72, "label72");
this.label72.Name = "label72";
this.label72.Click += new System.EventHandler(this.label72_Click);
//
// groupBox12
//
this.groupBox12.Controls.Add(this.textBoxSXCZLTZZ);
this.groupBox12.Controls.Add(this.label58);
this.groupBox12.Controls.Add(this.textBoxSXCZL);
this.groupBox12.Controls.Add(this.label57);
resources.ApplyResources(this.groupBox12, "groupBox12");
this.groupBox12.Name = "groupBox12";
this.groupBox12.TabStop = false;
//
// textBoxSXCZLTZZ
//
resources.ApplyResources(this.textBoxSXCZLTZZ, "textBoxSXCZLTZZ");
this.textBoxSXCZLTZZ.Name = "textBoxSXCZLTZZ";
//
// label58
//
resources.ApplyResources(this.label58, "label58");
this.label58.ForeColor = System.Drawing.Color.Red;
this.label58.Name = "label58";
//
// textBoxSXCZL
//
resources.ApplyResources(this.textBoxSXCZL, "textBoxSXCZL");
this.textBoxSXCZL.Name = "textBoxSXCZL";
//
```

```

// label57
//
resources.ApplyResources(this.label57, "label57");
this.label57.Name = "label57";
//
// groupBox10
//
this.groupBox10.Controls.Add(this.button12);
this.groupBox10.Controls.Add(this.checkBox1);
this.groupBox10.Controls.Add(this.textBoxCLCSD3);
this.groupBox10.Controls.Add(this.label44);
this.groupBox10.Controls.Add(this.textBoxDXSWSD3);
this.groupBox10.Controls.Add(this.label43);
resources.ApplyResources(this.groupBox10, "groupBox10");
this.groupBox10.Name = "groupBox10";
this.groupBox10.TabStop = false;
//
// button12
//
resources.ApplyResources(this.button12, "button12");
this.button12.Name = "button12";
this.button12.UseVisualStyleBackColor = true;
this.button12.Click += new System.EventHandler(this.button12_Click);
//
// checkBox1
//
resources.ApplyResources(this.checkBox1, "checkBox1");
this.checkBox1.Name = "checkBox1";
this.checkBox1.UseVisualStyleBackColor = true;
this.checkBox1.CheckedChanged += new
System.EventHandler(this.checkBox1_CheckedChanged);
//
// textBoxCLCSD3
//
this.textBoxCLCSD3.BackColor =
System.Drawing.SystemColors.GradientActiveCaption;
resources.ApplyResources(this.textBoxCLCSD3, "textBoxCLCSD3");
this.textBoxCLCSD3.Name = "textBoxCLCSD3";
this.textBoxCLCSD3.TextChanged += new
System.EventHandler(this.textBoxKBXS_TextChanged);
//
// label44
//
resources.ApplyResources(this.label44, "label44");

```

```

        this.label44.Name = "label44";
        //
        // textBoxDXSWSD3
        //
        this.textBoxDXSWSD3.BackColor = System.Drawing.SystemColors.Window;
        resources.ApplyResources(this.textBoxDXSWSD3, "textBoxDXSWSD3");
        this.textBoxDXSWSD3.Name = "textBoxDXSWSD3";
        this.textBoxDXSWSD3.TextChanged += new
System.EventHandler(this.textBoxKBXS_TextChanged);
        //
        // label43
        //
        resources.ApplyResources(this.label43, "label43");
        this.label43.Name = "label43";
        //
        // groupBox8
        //
        this.groupBox8.Controls.Add(this.comboBox1);
        this.groupBox8.Controls.Add(this.checkBoxZDGJML);
        this.groupBox8.Controls.Add(this.textBoxZDFT);
        this.groupBox8.Controls.Add(this.label45);
        this.groupBox8.Controls.Add(this.textBoxZDEC);
        this.groupBox8.Controls.Add(this.label42);
        this.groupBox8.Controls.Add(this.checkBoxZDHNT);
        this.groupBox8.Controls.Add(this.textBoxES);
        this.groupBox8.Controls.Add(this.textBoxPJL);
        this.groupBox8.Controls.Add(this.label71);
        this.groupBox8.Controls.Add(this.label46);
        this.groupBox8.Controls.Add(this.label51);
        this.groupBox8.Controls.Add(this.textBoxBHC);
        this.groupBox8.Controls.Add(this.label39);
        this.groupBox8.Controls.Add(this.textBoxZNJ);
        this.groupBox8.Controls.Add(this.label38);
        this.groupBox8.Controls.Add(this.textBoxZWJ);
        this.groupBox8.Controls.Add(this.label25);
        resources.ApplyResources(this.groupBox8, "groupBox8");
        this.groupBox8.Name = "groupBox8";
        this.groupBox8.TabStop = false;
        //
        // comboBox1
        //
        this.comboBox1.FormattingEnabled = true;
        this.comboBox1.Items.AddRange(new object[] {
resources.GetString("comboBox1.Items"),

```

```

resources.GetString("comboBox1.Items1"),
resources.GetString("comboBox1.Items2"),
resources.GetString("comboBox1.Items3"),
resources.GetString("comboBox1.Items4"),
resources.GetString("comboBox1.Items5"),
resources.GetString("comboBox1.Items6"),
resources.GetString("comboBox1.Items7"),
resources.GetString("comboBox1.Items8"),
resources.GetString("comboBox1.Items9"),
resources.GetString("comboBox1.Items10"),
resources.GetString("comboBox1.Items11"))});
resources.ApplyResources(this.comboBox1, "comboBox1");
this.comboBox1.Name = "comboBox1";
this.comboBox1.SelectedIndexChanged += new
System.EventHandler(this.comboBox1_SelectedIndexChanged);
//
// checkBoxZDGJML
//
resources.ApplyResources(this.checkBoxZDGJML, "checkBoxZDGJML");
this.checkBoxZDGJML.Name = "checkBoxZDGJML";
this.checkBoxZDGJML.UseVisualStyleBackColor = true;
this.checkBoxZDGJML.CheckedChanged += new
System.EventHandler(this.checkBoxZDGJML_CheckedChanged);
//
// textBoxZDFT
//
resources.ApplyResources(this.textBoxZDFT, "textBoxZDFT");
this.textBoxZDFT.Name = "textBoxZDFT";
//
// label45
//
resources.ApplyResources(this.label45, "label45");
this.label45.Name = "label45";
//
// textBoxZDEC
//
resources.ApplyResources(this.textBoxZDEC, "textBoxZDEC");
this.textBoxZDEC.Name = "textBoxZDEC";
//
// label42
//
resources.ApplyResources(this.label42, "label42");
this.label42.Name = "label42";
//

```



```

        // checkBoxZDHNT
        //
        resources.ApplyResources(this.checkBoxZDHNT, "checkBoxZDHNT");
        this.checkBoxZDHNT.Name = "checkBoxZDHNT";
        this.checkBoxZDHNT.UseVisualStyleBackColor = true;
        this.checkBoxZDHNT.CheckedChanged += new
System.EventHandler(this.checkBoxZDHNT_CheckedChanged);
        //
        // textBoxES
        //
        this.textBoxES.BackColor = System.Drawing.SystemColors.Window;
        resources.ApplyResources(this.textBoxES, "textBoxES");
        this.textBoxES.Name = "textBoxES";
        //
        // textBoxPJL
        //
        this.textBoxPJL.BackColor =
System.Drawing.SystemColors.GradientActiveCaption;
        resources.ApplyResources(this.textBoxPJL, "textBoxPJL");
        this.textBoxPJL.Name = "textBoxPJL";
        this.textBoxPJL.TextChanged += new
System.EventHandler(this.textBoxPJL_TextChanged);
        //
        // label71
        //
        resources.ApplyResources(this.label71, "label71");
        this.label71.Name = "label71";
        //
        // label46
        //
        resources.ApplyResources(this.label46, "label46");
        this.label46.Name = "label46";
        //
        // label51
        //
        resources.ApplyResources(this.label51, "label51");
        this.label51.Name = "label51";
        //
        // textBoxBHC
        //
        this.textBoxBHC.BackColor =
System.Drawing.SystemColors.GradientActiveCaption;
        resources.ApplyResources(this.textBoxBHC, "textBoxBHC");
        this.textBoxBHC.Name = "textBoxBHC";

```

```

//
// label39
//
resources.ApplyResources(this.label39, "label39");
this.label39.Name = "label39";
//
// textBoxZNJ
//
this.textBoxZNJ.BackColor =
System.Drawing.SystemColors.GradientActiveCaption;
resources.ApplyResources(this.textBoxZNJ, "textBoxZNJ");
this.textBoxZNJ.Name = "textBoxZNJ";
//
// label38
//
resources.ApplyResources(this.label38, "label38");
this.label38.Name = "label38";
//
// textBoxZWJ
//
this.textBoxZWJ.BackColor =
System.Drawing.SystemColors.GradientActiveCaption;
resources.ApplyResources(this.textBoxZWJ, "textBoxZWJ");
this.textBoxZWJ.Name = "textBoxZWJ";
//
// label25
//
resources.ApplyResources(this.label25, "label25");
this.label25.Name = "label25";
//
// tabPage4
//
this.tabPage4.Controls.Add(this.button11);
this.tabPage4.Controls.Add(this.button10);
this.tabPage4.Controls.Add(this.button9);
this.tabPage4.Controls.Add(this.button8);
this.tabPage4.Controls.Add(this.button7);
this.tabPage4.Controls.Add(this.dataGridView3);
resources.ApplyResources(this.tabPage4, "tabPage4");
this.tabPage4.Name = "tabPage4";
this.tabPage4.UseVisualStyleBackColor = true;
//
// button11
//

```

```

resources.ApplyResources(this.button11, "button11");
this.button11.Name = "button11";
this.button11.UseVisualStyleBackColor = true;
this.button11.Click += new System.EventHandler(this.button11_Click);
//
// button10
//
resources.ApplyResources(this.button10, "button10");
this.button10.Name = "button10";
this.button10.UseVisualStyleBackColor = true;
this.button10.Click += new System.EventHandler(this.button10_Click);
//
// button9
//
resources.ApplyResources(this.button9, "button9");
this.button9.Name = "button9";
this.button9.UseVisualStyleBackColor = true;
this.button9.Click += new System.EventHandler(this.button9_Click);
//
// button8
//
resources.ApplyResources(this.button8, "button8");
this.button8.Name = "button8";
this.button8.UseVisualStyleBackColor = true;
this.button8.Click += new System.EventHandler(this.button8_Click);
//
// button7
//
resources.ApplyResources(this.button7, "button7");
this.button7.Name = "button7";
this.button7.UseVisualStyleBackColor = true;
this.button7.Click += new System.EventHandler(this.button7_Click);
//
// dataGridView3
//
this.dataGridView3.ColumnHeadersHeightSizeMode
System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;
this.dataGridView3.Columns.AddRange(new
System.Windows.Forms.DataGridViewColumn[] {
    this.Column1,
    this.Column2,
    this.Column3,
    this.Column4,
    this.Column5,

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```
this.Column6,
this.Column7,
this.Column8});
resources.ApplyResources(this.dataGridView3, "dataGridView3");
this.dataGridView3.Name = "dataGridView3";
this.dataGridView3.RowTemplate.Height = 23;
//
// Column1
//
resources.ApplyResources(this.Column1, "Column1");
this.Column1.Name = "Column1";
//
// Column2
//
resources.ApplyResources(this.Column2, "Column2");
this.Column2.Items.AddRange(new object[] {
    "填土",
    "淤泥",
    "淤泥质土",
    "粘土",
    "粉质粘土",
    "粉土",
    "粉砂",
    "细沙",
    "中砂",
    "粗砂",
    "砾砂",
    "角砾",
    "圆砾",
    "碎石",
    "卵石",
    "全风化岩",
    "强风化岩",
    "中风化岩",
    "微风化岩",
    "未风化岩"});
this.Column2.Name = "Column2";
//
// Column3
//
resources.ApplyResources(this.Column3, "Column3");
this.Column3.Name = "Column3";
//
// Column4
```

```

//
resources.ApplyResources(this.Column4, "Column4");
this.Column4.Name = "Column4";
//
// Column5
//
resources.ApplyResources(this.Column5, "Column5");
this.Column5.Name = "Column5";
//
// Column6
//
resources.ApplyResources(this.Column6, "Column6");
this.Column6.Name = "Column6";
//
// Column7
//
resources.ApplyResources(this.Column7, "Column7");
this.Column7.Name = "Column7";
this.Column7.ReadOnly = true;
//
// Column8
//
resources.ApplyResources(this.Column8, "Column8");
this.Column8.Name = "Column8";
//
// statusStrip1
//
this.statusStrip1.Items.AddRange(new System.Windows.Forms.ToolStripItem[] {
this.toolStripStatusLabel1 });
resources.ApplyResources(this.statusStrip1, "statusStrip1");
this.statusStrip1.Name = "statusStrip1";
//
// toolStripStatusLabel1
//
this.toolStripStatusLabel1.Name = "toolStripStatusLabel1";
resources.ApplyResources(this.toolStripStatusLabel1, "toolStripStatusLabel1");
//
// Form1
//
resources.ApplyResources(this, "$this");
this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
this.Controls.Add(this.statusStrip1);
this.Controls.Add(this.tabControl1);
this.FormBorderStyle = System.Windows.Forms.FormBorderStyle.FixedSingle;

```

```
this.HelpButton = true;
this.Name = "Form1";
this.tabControl1.ResumeLayout(false);
this.tabPage1.ResumeLayout(false);
((System.ComponentModel.ISupportInitialize)(this.pictureBox1)).EndInit();
this.groupBox4.ResumeLayout(false);
this.groupBox4.PerformLayout();
this.groupBox3.ResumeLayout(false);
this.groupBox3.PerformLayout();
this.groupBox2.ResumeLayout(false);
this.groupBox2.PerformLayout();
this.groupBox1.ResumeLayout(false);
this.groupBox1.PerformLayout();
this.tabPage2.ResumeLayout(false);
this.tabPage2.PerformLayout();
((System.ComponentModel.ISupportInitialize)(this.pictureBox2)).EndInit();
this.groupBox7.ResumeLayout(false);
this.groupBox7.PerformLayout();
((System.ComponentModel.ISupportInitialize)(this.dataGridView2)).EndInit();
((System.ComponentModel.ISupportInitialize)(this.dataGridView1)).EndInit();
this.groupBox6.ResumeLayout(false);
this.groupBox6.PerformLayout();
this.groupBox5.ResumeLayout(false);
this.groupBox5.PerformLayout();
this.tabPage3.ResumeLayout(false);
this.groupBox17.ResumeLayout(false);
this.groupBox17.PerformLayout();
this.groupBox14.ResumeLayout(false);
this.groupBox16.ResumeLayout(false);
this.groupBox16.PerformLayout();
this.groupBox15.ResumeLayout(false);
this.groupBox15.PerformLayout();
this.groupBox9.ResumeLayout(false);
this.groupBox9.PerformLayout();
this.groupBox13.ResumeLayout(false);
this.groupBox13.PerformLayout();
this.groupBox11.ResumeLayout(false);
this.groupBox11.PerformLayout();
this.groupBox12.ResumeLayout(false);
this.groupBox12.PerformLayout();
this.groupBox10.ResumeLayout(false);
this.groupBox10.PerformLayout();
this.groupBox8.ResumeLayout(false);
this.groupBox8.PerformLayout();
```

```

        this.tabPage4.ResumeLayout(false);
        ((System.ComponentModel.ISupportInitialize)(this.dataGridView3)).EndInit();
        this.statusStrip1.ResumeLayout(false);
        this.statusStrip1.PerformLayout();
        this.ResumeLayout(false);
        this.PerformLayout();

    }

```

#endregion

```

private System.Windows.Forms.TabControl tabControl1;
private System.Windows.Forms.TabPage tabPage1;
private System.Windows.Forms.TabPage tabPage2;
private System.Windows.Forms.TabPage tabPage3;
private System.Windows.Forms.GroupBox groupBox1;
private System.Windows.Forms.Label label1;
private System.Windows.Forms.TextBox textBoxZC;
private System.Windows.Forms.Label label3;
private System.Windows.Forms.TextBox textBoxYPJ;
private System.Windows.Forms.Label label2;
private System.Windows.Forms.TextBox textBoxZJ;
private System.Windows.Forms.TextBox textBoxSYPJZJ;
private System.Windows.Forms.Label label5;
private System.Windows.Forms.TextBox textBoxYPJU;
private System.Windows.Forms.Label label4;
private System.Windows.Forms.GroupBox groupBox2;
private System.Windows.Forms.RadioButton radioMulty;
private System.Windows.Forms.RadioButton radioSingle;
private System.Windows.Forms.TextBox textBoxKB1;
private System.Windows.Forms.Label label9;
private System.Windows.Forms.TextBox textBoxDZ1;
private System.Windows.Forms.Label label8;
private System.Windows.Forms.TextBox textBoxCZ1;
private System.Windows.Forms.Label label7;
private System.Windows.Forms.TextBox textBoxDZ2;
private System.Windows.Forms.Label label12;
private System.Windows.Forms.TextBox textBoxCZ2;
private System.Windows.Forms.Label label11;
private System.Windows.Forms.TextBox textBoxTCH;
private System.Windows.Forms.Label label10;
private System.Windows.Forms.TextBox textBoxKB2;
private System.Windows.Forms.Label label6;
private System.Windows.Forms.GroupBox groupBox3;

```

```
private System.Windows.Forms.Label label13;
private System.Windows.Forms.TextBox textBoxYKYCZLT;
private System.Windows.Forms.Label label17;
private System.Windows.Forms.TextBox textBoxYKYCZL;
private System.Windows.Forms.Label label16;
private System.Windows.Forms.TextBox textBoxYJXDZ;
private System.Windows.Forms.Label label15;
private System.Windows.Forms.TextBox textBoxYJXCZ;
private System.Windows.Forms.Label label14;
private System.Windows.Forms.TextBox textBoxYYPJFW;
private System.Windows.Forms.Button button1;
private System.Windows.Forms.Button button2;
private System.Windows.Forms.GroupBox groupBox4;
private System.Windows.Forms.TextBox textBoxBJXCZL;
private System.Windows.Forms.Label label18;
private System.Windows.Forms.TextBox textBoxBYPJFW;
private System.Windows.Forms.Label label20;
private System.Windows.Forms.TextBox textBoxBKBCZL;
private System.Windows.Forms.Label label19;
private System.Windows.Forms.PictureBox pictureBox1;
private System.Windows.Forms.GroupBox groupBox5;
private System.Windows.Forms.TextBox textBoxZJ2;
private System.Windows.Forms.Label label24;
private System.Windows.Forms.TextBox textBoxZC2;
private System.Windows.Forms.Label label23;
private System.Windows.Forms.TextBox textBoxZSC;
private System.Windows.Forms.Label label22;
private System.Windows.Forms.TextBox textBoxZMS;
private System.Windows.Forms.Label label21;
private System.Windows.Forms.GroupBox groupBox6;
private System.Windows.Forms.TextBox textBoxJQZD;
private System.Windows.Forms.Label label26;
private System.Windows.Forms.TextBox textBoxCYLXS;
private System.Windows.Forms.Label label28;
private System.Windows.Forms.TextBox textBoxNMCJ;
private System.Windows.Forms.Label label27;
private System.Windows.Forms.DataGridView dataGridView1;
private System.Windows.Forms.Label label29;
private System.Windows.Forms.Label label30;
private System.Windows.Forms.DataGridView dataGridView2;
private System.Windows.Forms.GroupBox groupBox7;
private System.Windows.Forms.TextBox textBoxKSXJJ;
private System.Windows.Forms.Label label35;
private System.Windows.Forms.TextBox textBoxBZ;
```



```
private System.Windows.Forms.Label label34;  
private System.Windows.Forms.TextBox textBoxJSKD;  
private System.Windows.Forms.Label label33;  
private System.Windows.Forms.TextBox textBoxKJZDXS;  
private System.Windows.Forms.Label label32;  
private System.Windows.Forms.TextBox textBoxWMCJ;  
private System.Windows.Forms.Label label31;  
private System.Windows.Forms.Button button4;  
private System.Windows.Forms.Button button3;  
private System.Windows.Forms.TextBox textBoxSPKL;  
private System.Windows.Forms.Label label37;  
private System.Windows.Forms.TextBox textBoxMZXS;  
private System.Windows.Forms.Label label36;  
private System.Windows.Forms.GroupBox groupBox8;  
private System.Windows.Forms.TextBox textBoxBHC;  
private System.Windows.Forms.Label label39;  
private System.Windows.Forms.TextBox textBoxZNJ;  
private System.Windows.Forms.Label label38;  
private System.Windows.Forms.TextBox textBoxZWJ;  
private System.Windows.Forms.Label label25;  
private System.Windows.Forms.GroupBox groupBox9;  
private System.Windows.Forms.TextBox textBoxSXL3;  
private System.Windows.Forms.Label label40;  
private System.Windows.Forms.GroupBox groupBox10;  
private System.Windows.Forms.GroupBox groupBox11;  
private System.Windows.Forms.TextBox textBoxAJ;  
private System.Windows.Forms.Label label50;  
private System.Windows.Forms.TextBox textBoxZZC;  
private System.Windows.Forms.Label label49;  
private System.Windows.Forms.TextBox textBoxPJL;  
private System.Windows.Forms.Label label51;  
private System.Windows.Forms.TextBox textBoxAP;  
private System.Windows.Forms.Label label52;  
private System.Windows.Forms.TextBox textBoxAS;  
private System.Windows.Forms.Label label56;  
private System.Windows.Forms.TextBox textBoxI0;  
private System.Windows.Forms.Label label55;  
private System.Windows.Forms.TextBox textBoxW0;  
private System.Windows.Forms.Label label54;  
private System.Windows.Forms.TextBox textBoxD0;  
private System.Windows.Forms.Label label53;  
private System.Windows.Forms.GroupBox groupBox12;  
private System.Windows.Forms.Label label57;  
private System.Windows.Forms.GroupBox groupBox13;
```

```
private System.Windows.Forms.TextBox textBoxSXCZLTZZ;
private System.Windows.Forms.Label label58;
private System.Windows.Forms.TextBox textBoxSXCZL;
private System.Windows.Forms.TextBox textBoxKBTZZ;
private System.Windows.Forms.Label label61;
private System.Windows.Forms.TextBox textBoxZZZ;
private System.Windows.Forms.Label label60;
private System.Windows.Forms.TextBox textBoxTUK;
private System.Windows.Forms.Label label59;
private System.Windows.Forms.GroupBox groupBox14;
private System.Windows.Forms.GroupBox groupBox16;
private System.Windows.Forms.GroupBox groupBox15;
private System.Windows.Forms.Button button6;
private System.Windows.Forms.Button button5;
private System.Windows.Forms.Label label62;
private System.Windows.Forms.TextBox textBoxHSJMJ;
private System.Windows.Forms.Label label65;
private System.Windows.Forms.TextBox textBoxZDWJXS;
private System.Windows.Forms.Label label64;
private System.Windows.Forms.TextBox textBoxSXXS;
private System.Windows.Forms.TextBox textBoxYLYXXS;
private System.Windows.Forms.Label label67;
private System.Windows.Forms.TextBox textBoxLLYXXS;
private System.Windows.Forms.Label label66;
private System.Windows.Forms.TextBox textBoxES;
private System.Windows.Forms.Label label71;
private System.Windows.Forms.TextBox textBoxSPCZL;
private System.Windows.Forms.Label label79;
private System.Windows.Forms.TextBox textBoxKLBLXS;
private System.Windows.Forms.TextBox textBoxZDSPWYXS;
private System.Windows.Forms.Label label75;
private System.Windows.Forms.TextBox textBoxSPBXXS;
private System.Windows.Forms.TextBox textBoxZSJSKD;
private System.Windows.Forms.Label label78;
private System.Windows.Forms.TextBox textBoxWYYXZ;
private System.Windows.Forms.Label label76;
private System.Windows.Forms.Label label73;
private System.Windows.Forms.Label label74;
private System.Windows.Forms.TextBox textBoxKWGD;
private System.Windows.Forms.Label label72;
private System.Windows.Forms.TabPage tabPage4;
private System.Windows.Forms.DataGridView dataGridView3;
private System.Windows.Forms.Button button10;
private System.Windows.Forms.Button button9;
```

```

private System.Windows.Forms.Button button8;
private System.Windows.Forms.Button button7;
private System.Windows.Forms.Button button11;
private System.Windows.Forms.CheckBox checkBox1;
private System.Windows.Forms.Label label43;
private System.Windows.Forms.Button button12;
private System.Windows.Forms.TextBox textBoxCLCSD3;
private System.Windows.Forms.Label label44;
private System.Windows.Forms.TextBox textBoxDXSWSD3;
private System.Windows.Forms.GroupBox groupBox17;
private System.Windows.Forms.RadioButton radioButtonYSGJ;
private System.Windows.Forms.RadioButton radioButtonYSJJ;
private System.Windows.Forms.TextBox textBoxZSQDSPCZL;
private System.Windows.Forms.Label label41;
private System.Windows.Forms.Button buttonmrcs3;
private System.Windows.Forms.CheckBox checkBoxZDHNT;
private System.Windows.Forms.CheckBox checkBoxZDGJML;
private System.Windows.Forms.TextBox textBoxZDFT;
private System.Windows.Forms.Label label45;
private System.Windows.Forms.TextBox textBoxZDEC;
private System.Windows.Forms.Label label42;
private System.Windows.Forms.ComboBox comboBox1;
private System.Windows.Forms.Label label46;
private System.Windows.Forms.Button button13;
private System.Windows.Forms.DataGridViewTextBoxColumn Column1;
private System.Windows.Forms.DataGridViewComboBoxColumn Column2;
private System.Windows.Forms.DataGridViewTextBoxColumn Column3;
private System.Windows.Forms.DataGridViewTextBoxColumn Column4;
private System.Windows.Forms.DataGridViewTextBoxColumn Column5;
private System.Windows.Forms.DataGridViewTextBoxColumn Column6;
private System.Windows.Forms.DataGridViewTextBoxColumn Column7;
private System.Windows.Forms.DataGridViewTextBoxColumn Column8;
private System.Windows.Forms.PictureBox pictureBox2;
private System.Windows.Forms.StatusStrip statusStrip1;
private System.Windows.Forms.ToolStripStatusLabel toolStripStatusLabel1;
}
}

```