

Отчёт студента ПОКС-31В

Моисеев А.Д.

Практическая №7

Вариант №14

$$Z = \sum_{i=1}^N \sum_{j=1}^K \frac{i \cdot x^{2 \cdot i} + j \cdot y^{2 \cdot j}}{i^2 \cdot j^2}$$

Window x:Class="Практическая7\_11\_.MainWindow"

xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

xmlns:d="http://schemas.microsoft.com/expression/blend/2008"

xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"

xmlns:local="clr-namespace:Практическая7\_11\_"

mc:Ignorable="d"

Title="MainWindow" Height="350" Width="800">

<StackPanel>

<StackPanel>

<GroupBox Header="Parameters">

<StackPanel Orientation="Horizontal">

<Label Content="x"/>

<TextBox Text="0" MinWidth="70" Name="TextX"/>

<Label Content="y"/>

<TextBox Text="0" MinWidth="70" Name="TextY"/>

<Label Content="K"/>

<ComboBox SelectedIndex="0" MinWidth="70" Name="ComboK">

<ComboBoxItem>1</ComboBoxItem>

<ComboBoxItem>2</ComboBoxItem>

<ComboBoxItem>3</ComboBoxItem>

<ComboBoxItem>4</ComboBoxItem>

<ComboBoxItem>5</ComboBoxItem>

```

        </ComboBox>

        <Label Content="N"/>

        <ComboBox SelectedIndex="0" MinWidth="70" Name="ComboN">

            <ComboBoxItem>1</ComboBoxItem>

            <ComboBoxItem>2</ComboBoxItem>

            <ComboBoxItem>3</ComboBoxItem>

            <ComboBoxItem>4</ComboBoxItem>

            <ComboBoxItem>5</ComboBoxItem>

        </ComboBox>

    </StackPanel>

</GroupBox>

</StackPanel>

<Button>

    <Button Content="Считать" Width="100" Click="Calc_click"/>

</Button>

<Image Source="/bububebe.jpg" Height="200"/>

</StackPanel>

</Window>

```

```
using System;
```

```
using System.Windows;
```

```
namespace Практическая7_11_
```

```
{
```

```
    public partial class MainWindow : Window
```

```
    {
```

```
        public MainWindow()
```

```
        {
```

```
            InitializeComponent();
```

```

    }

    private void Calc_click(object sender, RoutedEventArgs e)
    {
        int N = Convert.ToInt32(ComboN.Text);
        int K = Convert.ToInt32(ComboK.Text);
        int x = Convert.ToInt32(TextX.Text);
        int y = Convert.ToInt32(TextY.Text);
        double S = 0;
        for(int i = 1; i<=N; i++)
            for(int j = 1; j<=K; j++)
                S += (i * Math.Pow(x, 2 * i) + j * Math.Pow(y, 2 * j)) / Math.Pow(i, 2) * Math.Pow(j,
2);
        this.Title = "Ответ: " + S.ToString();
    }
}
}
}

```

