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| XAML код | C# код |
| <Window x:Class="Sfera\_WPF.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:Sfera\_WPF"  mc:Ignorable="d"  Title="Окно вычисления объёма сферы" Height="500" Width="800">  <Grid>  <Grid>  <Grid.ColumnDefinitions>  <ColumnDefinition/>  <ColumnDefinition/>  </Grid.ColumnDefinitions>  <Grid.RowDefinitions>  <RowDefinition/>  <RowDefinition/>  </Grid.RowDefinitions>  <TextBlock Grid.Row="0" Grid.Column="0" VerticalAlignment="Center" HorizontalAlignment="Right" FontSize="35" Height="94" Margin="0,33,175,83" Width="442" Grid.ColumnSpan="2" ><Run Text="Введите радиус сферы,"/><LineBreak/><Run Text="который хотите вычислить:"/></TextBlock>  <Button x:Name="Calculation" Content="Ответ" FontSize="25" HorizontalAlignment="Center" VerticalAlignment="Bottom" Grid.ColumnSpan="2" Click="Calculation\_Click" Height="44" Margin="290,0,290,191" Width="212" Grid.Row="1" />  <TextBox x:Name="Radius" HorizontalAlignment="Left" Height="52" Margin="175,144,0,0" TextWrapping="Wrap" Text="" VerticalAlignment="Top" FontSize="30" Width="442" TextChanged="TextBox\_TextChanged" Grid.ColumnSpan="2"/>  <TextBox x:Name="Volume" HorizontalAlignment="Left" Height="51" Margin="175,132,0,0" TextWrapping="Wrap" Text="" VerticalAlignment="Top" FontSize="30" Width="442" Grid.Row="1" TextChanged="TextBox\_TextChanged\_1" Grid.ColumnSpan="2"/>  <Label Content=" ↓" HorizontalAlignment="Left" Margin="354,27,0,0" Grid.Row="1" VerticalAlignment="Top" FontSize="70" Width="83" Grid.ColumnSpan="2" Height="100"/>  </Grid>  </Grid>  </Window> | using System;  using System.Collections.Generic;  using System.Linq;  using System.Text;  using System.Threading.Tasks;  using System.Windows;  using System.Windows.Controls;  using System.Windows.Data;  using System.Windows.Documents;  using System.Windows.Input;  using System.Windows.Media;  using System.Windows.Media.Imaging;  using System.Windows.Navigation;  using System.Windows.Shapes;  namespace Sfera\_WPF  {  /// <summary>  /// Логика взаимодействия для MainWindow.xaml  /// </summary>  public partial class MainWindow : Window  {  public MainWindow()  {  InitializeComponent();  }  private void Radius\_TextChanged(object sender, TextChangedEventArgs e)  {  }  private void Volume\_TextChanged(object sender, TextChangedEventArgs e)  {  }    private void Calculation\_Click(object sender, RoutedEventArgs e)  {  double R = Convert.ToDouble(Radius.Text);  double V;  V = 4 / 3 \* Math.PI \* Math.Pow(R, 3);  Volume.Text = V.ToString();  }  System.Text.RegularExpressions.Regex Numbers = new System.Text.RegularExpressions.Regex(@"[0-9]|[,]|[.]");  private void Radius\_PreviewTextInput(object sender, TextCompositionEventArgs e)  {  System.Text.RegularExpressions.Match match = Numbers.Match(e.Text);  if (!match.Success)  {  e.Handled = true;  }  }  private void TextBox\_TextChanged(object sender, TextChangedEventArgs e)  {  }  private void TextBox\_TextChanged\_1(object sender, TextChangedEventArgs e)  {  }  }  } |