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| **XAML** | **C#.cs** |
| <Window x:Class="KorniWpfApp.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:KorniWpfApp"  mc:Ignorable="d"  Title="Решение квадратного уравнения" Height="250" Width="300" ResizeMode="NoResize">  <Grid>  <Button x:Name="button" Content="Решить" HorizontalAlignment="Left" Margin="207,189,0,0" VerticalAlignment="Top" Width="75" RenderTransformOrigin="0.533,0.3" Click="Button\_Click"></Button>  <StackPanel HorizontalAlignment="Left"  Height="25" Margin="30,31,0,0"  VerticalAlignment="Top"  Width="210"  Orientation="Horizontal">  <TextBlock x:Name="texBox\_Constant1"  HorizontalAlignment="Left"  Height="25"  TextWrapping="Wrap"  FontSize="25"  VerticalAlignment="Top"  Width="30"  RenderTransformOrigin="3.5,2.95"></TextBlock>  <Label x:Name="label\_X2"  Content="X^2+"  HorizontalAlignment="Left"  VerticalAlignment="Top"  Width="38"  Height="25"></Label>  <TextBlock x:Name="texBox\_Constant2"  HorizontalAlignment="Left"  Height="25"  TextWrapping="Wrap"  FontSize="25"  VerticalAlignment="Top"  Width="30"  RenderTransformOrigin="3.5,2.95"></TextBlock>  <Label x:Name="label\_X"  Content="X+"  HorizontalAlignment="Left"  VerticalAlignment="Top"  Width="25"  Height="25"></Label>  <TextBlock x:Name="texBox\_Constant3"  HorizontalAlignment="Left"  Height="25"  TextWrapping="Wrap"  Text=""  VerticalAlignment="Top"  Width="30"  RenderTransformOrigin="3.5,2.95"></TextBlock>  <Label x:Name="label\_Y"  Content="=0"  HorizontalAlignment="Left"  VerticalAlignment="Top"  Width="30"  Height="25"></Label>  </StackPanel>  <TextBlock x:Name="textBox"  HorizontalAlignment="Left"  Height="105"  Margin="30,70,0,0"  TextWrapping="Wrap"  Text="Здесь будет решения"  VerticalAlignment="Top"  Width="180"  IsEnabled="False"></TextBlock>  </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 KorniWpfApp  {  /// <summary>  /// Логика взаимодействия для MainWindow.xaml  /// </summary>  public partial class MainWindow : Window  {  void Uravnenie\_reshenie(double constanta1, double constanta2, double constanta3)  {  double diskriminant = 0;  double x1 = 0;  double x2 = 0;  diskriminant = constanta2 = constanta2 - 4 \* constanta1 \* constanta3; // b\*b-4\*a\*c  if (diskriminant < 0)  {  textBox.Text = "Решения у данного уравнения нет, так ка дискрименант меньше 0 ";  }  else if (diskriminant == 0)  {  x1 = (-constanta2) / (2 \* constanta1); //-b/(2\*a)  textBox.Text = "У уравнения один корень, так ка дискриминант равен 0\n Х1";  }  else  {  x1 = (-constanta2 + Math.Sqrt(diskriminant)) / 2 \* constanta1; // (-b + sqrt(D))/2\*a  x2 = (-constanta2 - Math.Sqrt(diskriminant)) / 2 \* constanta1; // (-b + sqrt(D))/2\*a  textBox.Text = "У уравнения два возвратных корней 0\nX1+" + x1 + "\aX2+" + x2;  }  }  bool Text\_box\_ISEmpty ()  {  return (texBox\_Constant1.Text != "" && texBox\_Constant2.Text != "" && texBox\_Constant3.Text != "");  }    public MainWindow()  {  InitializeComponent();  }    private void Button\_Click(object sender, RoutedEventArgs e)  {  if (Text\_box\_ISEmpty())  {  try  {  Uravnenie\_reshenie(Convert.ToDouble(texBox\_Constant1.Text), Convert.ToDouble(texBox\_Constant2.Text), Convert.ToDouble(texBox\_Constant3.Text));  }  catch  {  MessageBox.Show("Некоректный ввод", "Ошибка");  }  }  else  MessageBox.Show("Не все поля заполнены", "Уведомление");  }  }  } |