

Calculce cu ecuatii de gradul doi

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Specializare: Calculatoare gr 1 – sem 2

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Data compilari: 16.04.2009

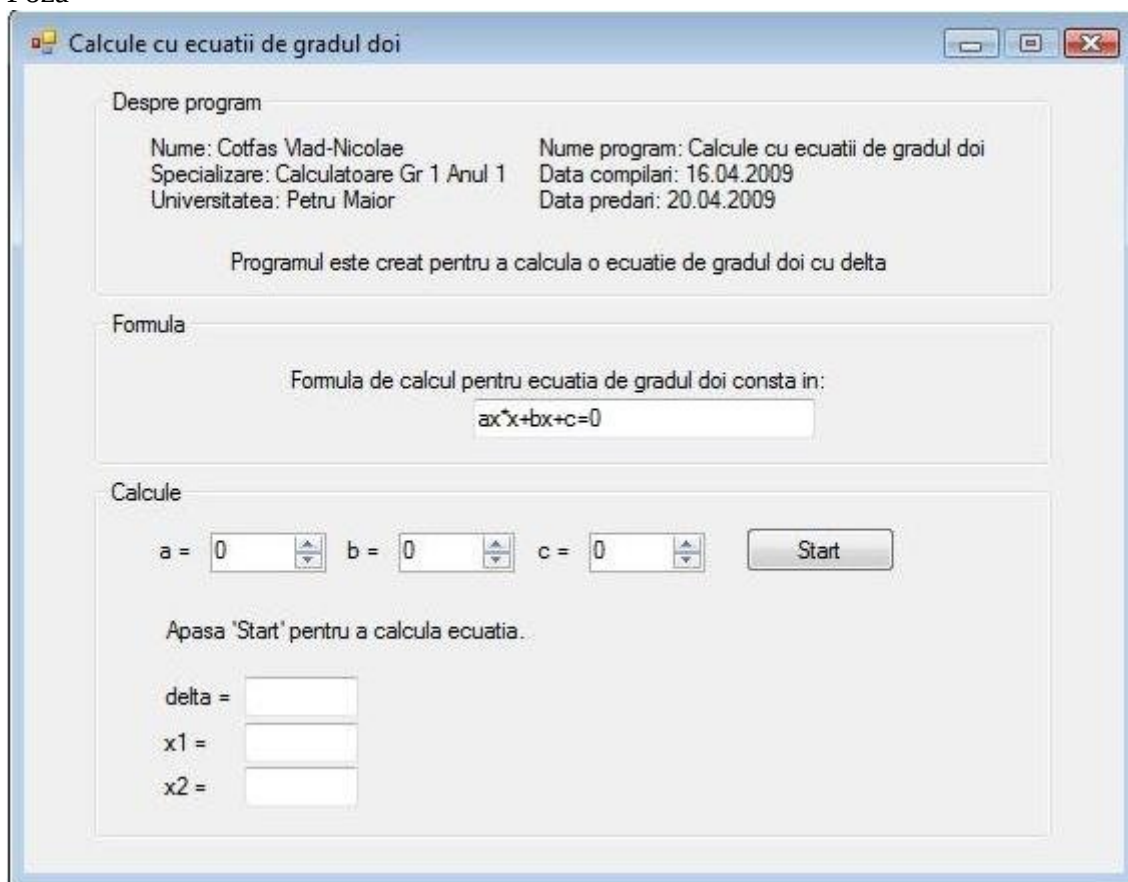
Data predari: 20.04.2009

Localizare program Source+Released\Released\3D flash gallery.exe

Programul este facut in Microsoft Visual Studio 2005 C++/.NET CLR Form Application

El este creat pentru a calcula o ecuatie de gradul doi cu delta

Poza



Codul sursa

Pe evenimentul click al butonului button1 am pus

```
this->label1->Text="";
this->textBox1->Text="";
this->textBox2->Text="";
this->textBox3->Text="";
double a,b,c,delta,x1,x2;
a = System::Convert::ToDouble(this->numericUpDown1->Value);
b = System::Convert::ToDouble(this->numericUpDown2->Value);
c = System::Convert::ToDouble(this->numericUpDown3->Value);
```

```

delta=b*b-4*a*c;
this->textBox3->Text=System::Convert::ToString( delta );
if (delta>=0){
    if (a==0){
        // ecuatie de gradul I
        if (c==0){
            if (b==0)
                this->label1->Text="Solutii infinite!!";
            else
                this->label1->Text="x=0";
        }else{
            if (b==0)
                this->label1->Text="x=infinet";
            else{
                x1=-c/b;
                this->textBox1->Text=System::Convert::ToString( x1 );
            }
        }
    }else{
        x1=(-b+System::Math::Sqrt(delta))/(2*a);
        x2=(-b-System::Math::Sqrt(delta))/(2*a);
        this->textBox1->Text=System::Convert::ToString( x1 );
        this->textBox2->Text=System::Convert::ToString( x2 );
    }
}
}
else
    this->label1->Text="Solutii imaginare!!";

```