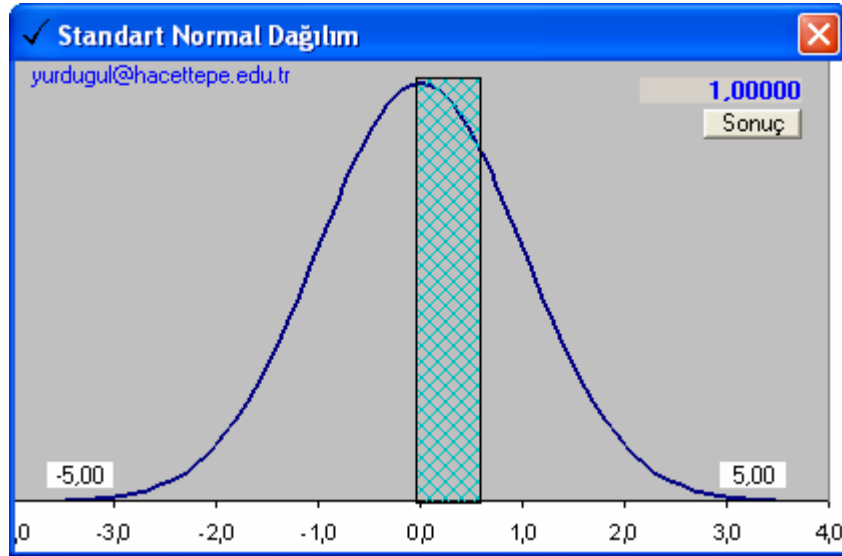




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Standart Normal Dağılım altında kalan alanı hesaplayan programın kaynak kodu..!



$$P(z) = \int_a^b \frac{1}{2\sqrt{\pi}} e^{-0.5(z)^2} dz$$

```
Sub Command1_Click()  
    Hesapla  
End Sub  
  
Function f(x)  
    Dim y As Double  
    y = 1# / Exp((x ^ 2) / 2)  
    f = y  
End Function  
  
Sub Hesapla()  
    Const pi = 3.141596  
    Dim n, i As Integer  
    Dim a, b, x, tn, h, Topla As Double  
    a = Text2(0).Text  
    b = Text2(1).Text  
    n = 1000: 'Integral çözüm aralığı  
  
    'Std. Normal Alanın Integral Çözümü  
    Topla = 0#  
    h = (b - a) / n  
    x = a  
    For i = 1 To n-1  
        x = x + h  
        Topla = Topla + f(Abs(x))  
    Next i  
    tn = (1/Sqr(2*pi)) * (h/2) * (f(Abs(a)) + f(Abs(b)) + 2*Topla)  
  
    'Sonucun yazdırılması  
    Text1.Text = Format(tn, "##0.00000")  
End Sub
```