

Lab #8 Solution

CE 311K - McKinney

Code:

```
Option Explicit
Private Sub cmdGo_Click()
    Dim Fi As Single, Fil As Single, Error As Single, i As Integer

    Fi = 0.65
    Fil = g(Fi)
    Error = Abs((Fil - Fi) / Fil)
    i = 0

    While (Error >= 0.000001 And i <= 200)
        i = i + 1
        Fil = g(Fi)
        Error = Abs((Fil - Fi) / Fil)
        If i Mod 5 = 0 Then
            picOutput.Print "i= ", i, " Fi= ", Fi, " Error= ", Error
        End If
        Fi = Fil
    Wend

End Sub

Private Function g(Fi As Single) As Single
    g = 0.65 + 1# * 5.68 * Log(1# + Fi / 5.68)
End Function
```

Output:

