In[57]:=
```
R1 := 3.3
R2 := 985
R3 := 901
sigmaR3 := 11.000
sigmaR2 := 11.000
sigmaR1 := 3.3 * 0.05
```

In[63]:=
```
sigmaR1
```

Out[63]= 0.165

In[64]:=
```
U := 2.01
sigmaU := 0.022
```

In[66]:=
```
Rg = 1 / (1 / R1 + 1 / R3)
```

Out[66]= 3.28796

In[67]:=
$$\text{sigmaRg} = \left(\frac{1}{R1} + \frac{1}{R3}\right)^{-2} \sqrt{\left(\frac{\text{sigmaR1}}{R1^2}\right)^2 + \left(\frac{\text{sigmaR3}}{R3^2}\right)^2}$$

Out[67]= 0.163798

In[68]:=
$$\text{Ig} = \frac{U}{Rg + R2}$$

Out[68]= 0.00203382

In[69]:=
$$\text{sigmaIg} = \sqrt{\left(\frac{\text{sigmaR2}\, U}{(R2 + Rg)^2}\right)^2 + \left(\frac{\text{sigmaRg}\, U}{(R2 + Rg)^2}\right)^2 + \left(\frac{\text{sigmaU}}{R2 + Rg}\right)^2}$$

Out[69]= 0.0000317505

Integratorstrom

In[70]:=
$$\text{Iint} = \frac{\text{Ig}}{\left(\frac{R3}{R1} + 1\right)}$$

Out[70]= 7.42188×10^{-6}

In[71]:=

In[72]:=
$$\text{sigmaIint} = \sqrt{\left(\frac{\text{Ig}\, R3\, \text{sigmaR1}}{R1^2 \left(\frac{R3}{R1} + 1\right)^2}\right)^2 + \left(\frac{\text{Ig}\, \text{sigmaR3}}{R1 \left(\frac{R3}{R1} + 1\right)^2}\right)^2 + \left(\frac{\text{sigmaIg}}{\frac{R3}{R1} + 1}\right)^2}$$

Out[72]= 3.97848×10^{-7}