

$$Uo = -\frac{R}{2R + 2\Delta r}E + \frac{R}{R + \Delta R + 2\Delta r + R}E$$
 三线制 
$$= -\frac{R[(2R + \Delta R + 2\Delta r) - (2R + 2\Delta r)]}{(2R + 2\Delta r)(2R + \Delta R + 2\Delta r)}E$$
 
$$= -\frac{R\Box\Delta R}{4R^2 + 2R(\Delta R + 4\Delta r) + 2\Delta r(R + 2\Delta r)}E$$
 
$$= -\frac{R\Box\Delta R}{4R^3 + 2R(\Delta R + 4\Delta r)}E$$
 
$$\Delta r$$
 
$$= \frac{2}{2R + (\Delta R + 4\Delta r)}E$$
 两线制 
$$= -\frac{1}{2}\Box\frac{\Delta R}{2R + (\Delta R + 2\Delta r)}E$$
 Rt 
$$= \frac{\Delta r}{2(2R + (\Delta R + 2\Delta r))}E$$
 三线制减小引线电阻的影响