$Plot\ 2: Rausch spannung\ vs.\ Wider stand$ Linearer Fit: $U_{aus}^2 - U_V^2 = v \cdot R + c$ 25 Messwerte $v = (0.7968 \pm 0.0025) \cdot 10^{-6} \left[\frac{V}{\Omega}\right]$ $c = -0.0560 \pm 0.030 \text{ [mV]}$ 20 15 $(U_{aus}^2 - U_V^2) [\mathrm{mV}]$

15

 $Widerstand R [k\Omega]$

20

25

30

10

5