Why am I doing this

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$$r = \frac{U_{osc} - U_{inst}}{U_{osc}}$$
$$= 1 - \frac{U_{inst}}{U_{osc}}$$
$$\Delta r = \sqrt{\frac{\Delta U_{inst}^2}{U_{osc}^2} + \left(\frac{U_{inst}}{U_o sc}\right)^2 (\Delta U_{osc})^2}$$

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