

$$\Delta P = \sqrt{\left(\frac{V}{\Delta V}\right)^2 + \left(\frac{I}{\Delta I}\right)^2}$$

$$E(\Delta P) = \sum \Delta P \cdot \overset{\substack{\text{Probability} \\ \downarrow}}{P(\Delta P)}$$

I think $P(\Delta P)$ is constant.

&

$$P(\Delta P) = \frac{1}{N}$$

N = number of (V, I) observations ~~for 1 cycle~~.

$$\therefore E(\Delta P) = \frac{1}{N} \sum (\Delta P)$$

PDF of ΔV & ΔI are constant.