

$$V_E = \sqrt{\left(\frac{U_{\text{res}}}{U_{\text{rep Div}}}\right)^2 + \left(\frac{U_{\text{rep}}}{U_{\text{rep Div}}}\right)^2 + \left(\frac{U_{\text{res}}}{U_{\text{rep Div}}}\right)^2 + \left(\frac{x}{\text{Div}}\right)^2 \dots}$$

$$Dof = \left(\frac{V_c^4}{\left(\frac{U_{\text{rep}}^4}{n-1} \right)} \right) \frac{(0.215)^4}{(0.11123)^4} =$$

$$= V_{\text{cen}} \times \underline{\text{k factor}}$$

$$E_{\text{pan}} =$$

$$\frac{U_{\text{comb}}^4 \times 2}{U_{\text{rep}}^4}$$

so $Dof \approx 2.43$ ————— k factor

$$V_{\text{exp}} = V_c \times \text{k factor}$$