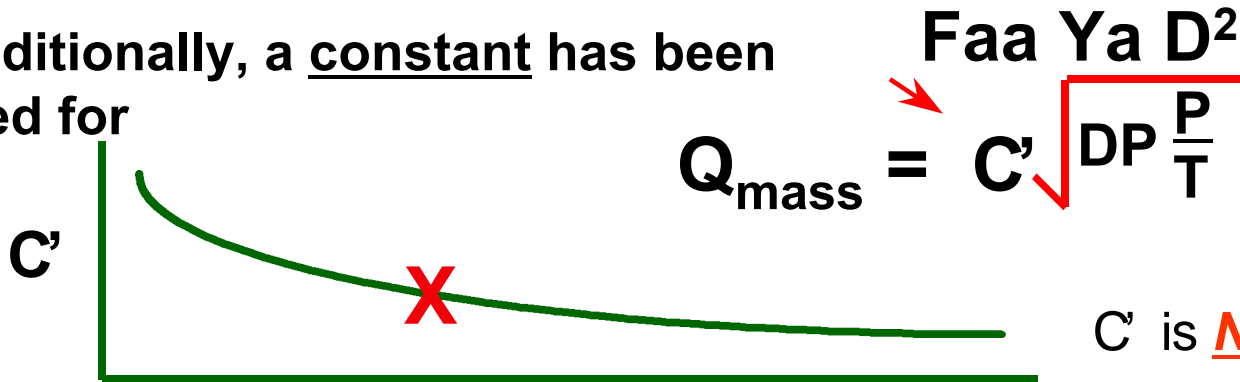# Dynamic Compensation

Dynamic Compensation of Flow Coefficients Across a Wide Flow Turndown

Traditionally, a <u>constant</u> has been used for
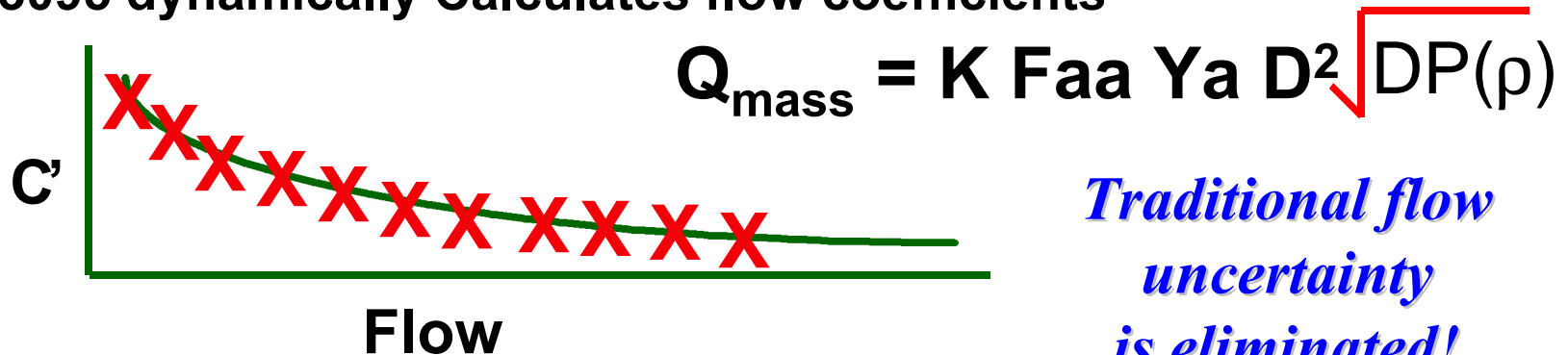
$$Q_{mass} = C' \sqrt{DP \frac{P}{T}}$$

with $Faa\ Ya\ D^2$ indicated.

C' (plotted against **Flow**)

C' is **NOT** Constant!

Where $C' = N\ K\ Faa\ Ya\ D^2$

The 3095 dynamically Calculates flow coefficients

$$Q_{mass} = K\ Faa\ Ya\ D^2 \sqrt{DP(\rho)}$$

C' (plotted against **Flow**, with data points marked as X)

Traditional flow uncertainty is eliminated!