

$$F = \frac{f_2 - f_1}{f_1}$$

is the one that we wish to simulate

$$f_i = f_0 + iFf_r + F \sum_0^{i-1} e_{fi} + e_{fr}$$

is the frequency of ith comparison

$$\hat{F} = \frac{f_i - f_0}{if_r} + e_{fi}$$

is the estimated value based on simulation

$$\widehat{\Delta W} = c^2 \hat{F}$$

is the final result on the plot ( $\widehat{\Delta W}$  versus i)