



$$B_{neck}^n = (1 - \eta)B_{neck}^{n-1} + \frac{\eta}{2}(B_{sample}^n + B_{sample}^{n-1})$$

$$Cng = \frac{PWND \times Size_seg - B_{neck}^n \times RTT_{min} / RTT_w}{PWND \times Size_seg},$$

$$Err_{sample}^n = 1 - S_{success}^n / S_{total}^n .$$

$$Err^n = (1-\eta)Err^{n-1} + \frac{\eta}{2}(Err_{sample}^n + Err_{sample}^{n-1})$$

$$d = \sum_i TO_{\text{Re}}^i,$$

$$B^n_{sample} = \frac{L_{zwp}}{\Delta_t}$$

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