7b

$$f''(x) = 2 D_+ D_- f(x) + 2\left[-\frac{f''(x)}{2!} - 2\frac{f^{(4)}(x)}{4!}h^2 + \cdots\right]$$

$$D_+ D_- f(x) = \frac{1}{2} f''(x) + \frac{1}{2} f''(x) + \frac{f^{(4)}(x)}{4!\cdot 2} h^2 + \cdots$$

$$= f''(x) + O(h^2) \quad \therefore$$

ASYMPTOTIC ERROR CONSTANT:

$$O(h^2) \approx C \cdot h$$

$$C = \frac{f^{(4)}(x)}{3!}$$