

24-Feb-2004

(b) Σ (2500 sec)

$$(1 \times 10^6)(1.2 \times 10^{-9})(2500)^{0.1}$$

$$+ (0.5 \times 10^6)(1.2 \times 10^{-9})(2500 - 1000)^{0.1}$$

$$- (1.5 \times 10^6)(1.2 \times 10^{-9})(2500 - 2000)^{0.1}$$

$$\Sigma = 0.052 \times 10^{-2} = \underline{\underline{0.052\%}}$$