



Computer Architecture II - WS 08/09
Exercise Sheet 12 (due: 04.02.09)

Excercise 1: (Clock Drifts) (5 Points)

Compute the corresponding clock drifts Δ between clocks of different ECUs for δ : 0.2% and 0.3%.

Excercise 2: (Speed of Light) (5 Points)

Let:

$$cs = 4GHz \quad ls = 300.000 \frac{km}{s}$$

Calculate the maximal distance which a signal can propagate within one cycle assumed a clock speed of cs .