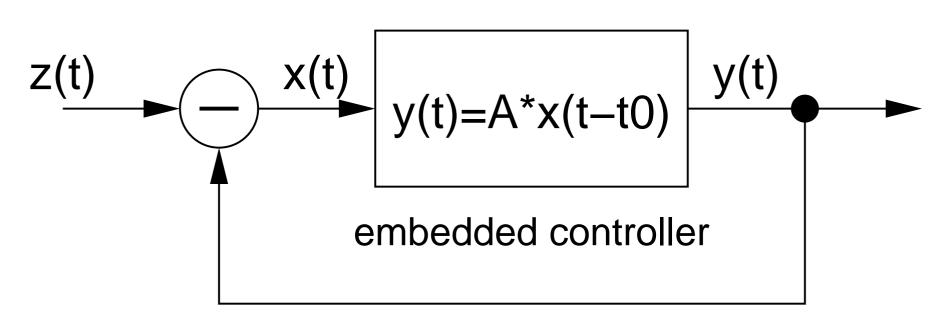
## EEE8068 Real Time Computer Systems ACM and System Stability

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## **Closed Loop Control System**



Mathematical model – Delay Differential Equation

(1) 
$$\frac{d}{dt}x(t) = f(t, x(t), x_t)$$

where  $x_{t} = \{x(\tau) : \tau \leq t\}$ 

Solution method: method of steps - read about it.

## Response plot

