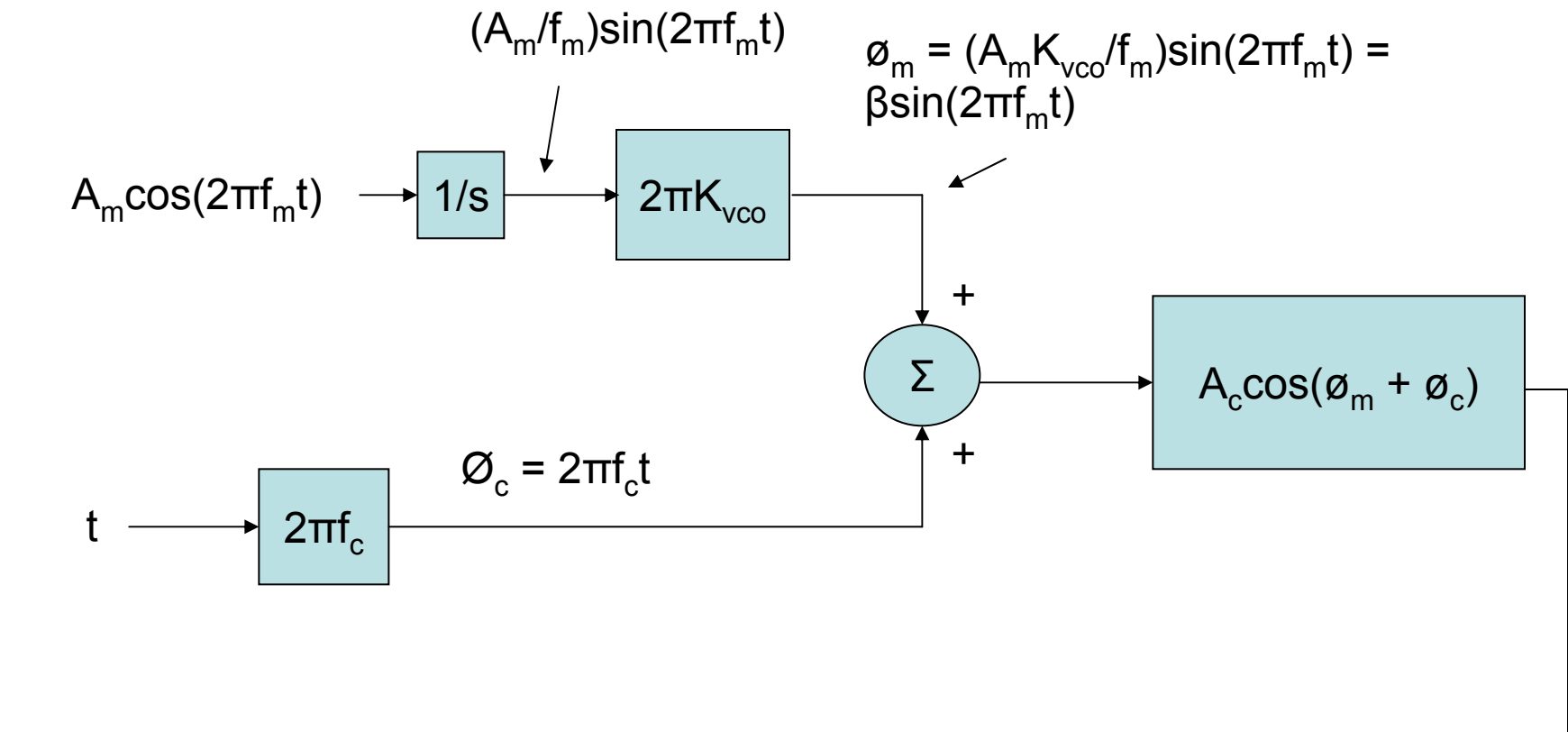


FM Modulation

Sinusoidal Modulation



$x_{fm}(t) = A_c \cos[(2\pi f_c t) + \beta \sin(2\pi f_m t)] = \text{link pdf file } x_{fm}(t) \text{ expression with the summation of } J_n \text{ terms}$

because $\beta = A_m K_{vco} / f_m$