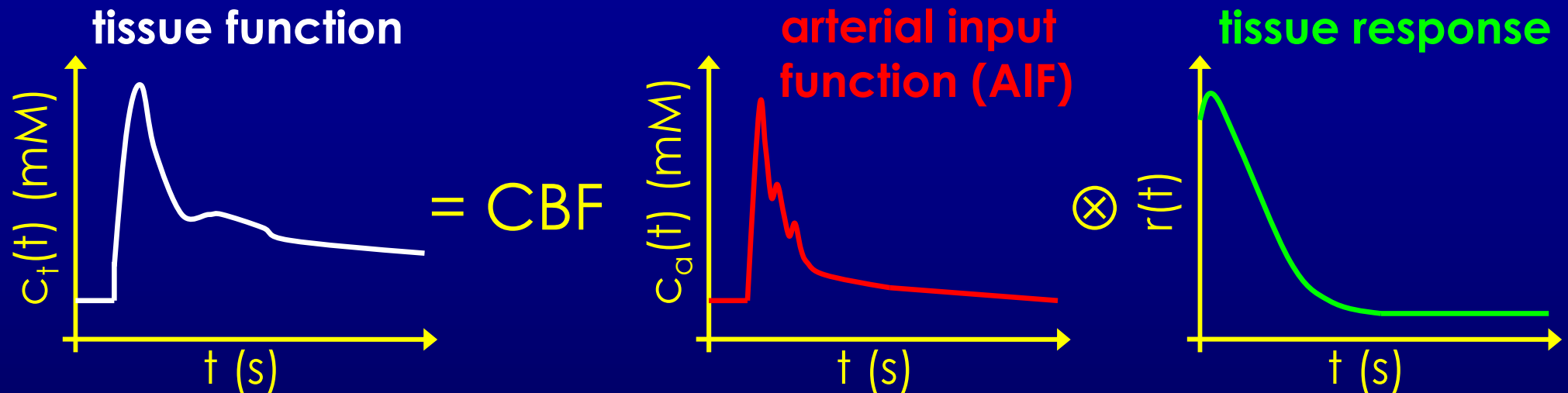


# Perfusion quantification by deconvolution



$$c_t(t) = \text{CBF} \cdot c_a(t) \otimes r(t) = \text{CBF} \cdot \int_0^t c_a(t') r(t-t') dt'$$

$$\text{MTT} = \int r(t) dt$$

$$\text{CBV} = \text{CBF} \cdot \text{MTT}$$