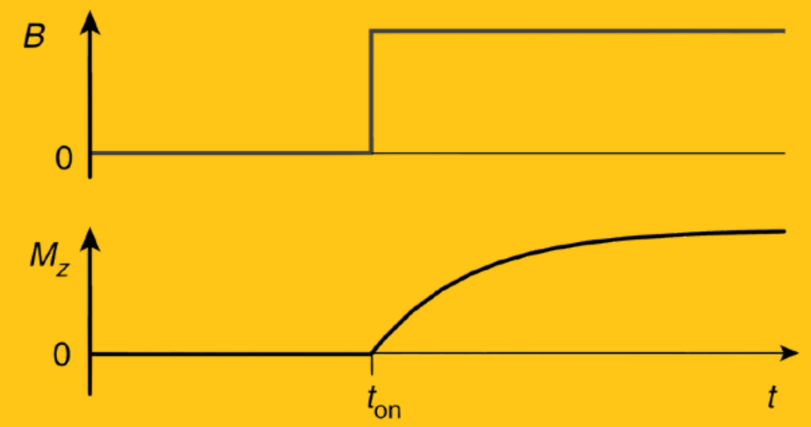
BASICS

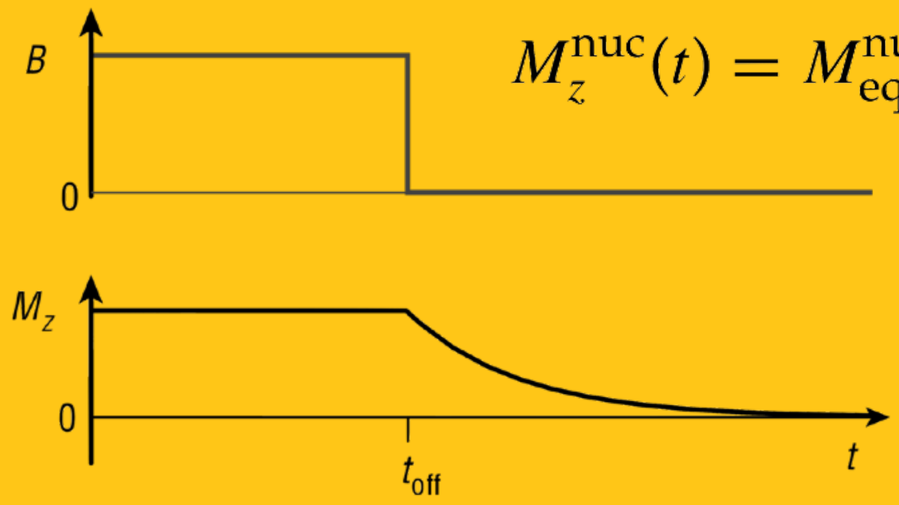
T1

Spin-Lattice

$$M_z^{\mathrm{nuc}}(t) = M_{\mathrm{eq}}^{\mathrm{nuc}}\left(1 - \exp\{-(t - t_{\mathrm{on}})/T_1\}\right)$$



$$M_z^{\mathrm{nuc}}(t) = M_{\mathrm{eq}}^{\mathrm{nuc}}\exp\{-(t - t_{\mathrm{off}})/T_1\}$$



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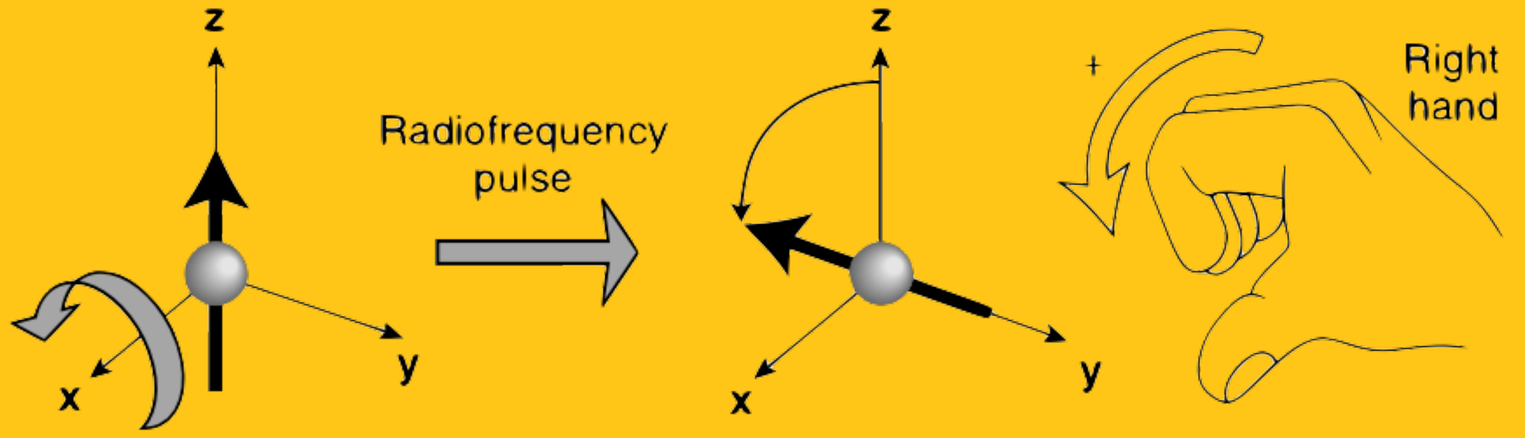
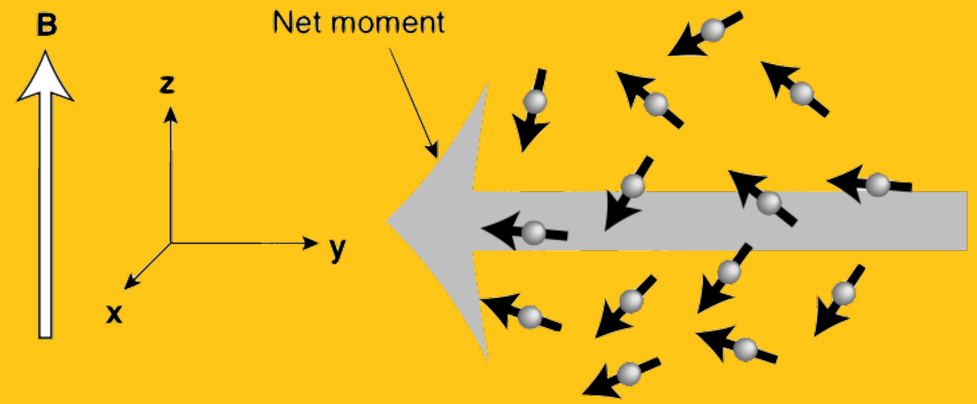
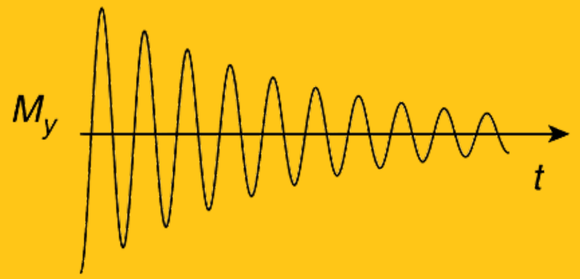
BASICS

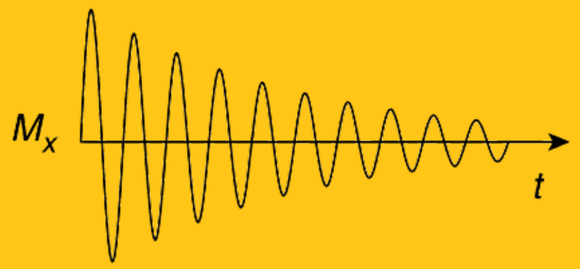
T2

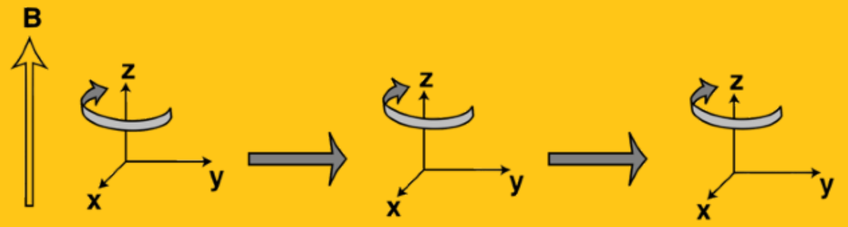
Spin-spin











$$M_y^{\text{nuc}} = -M_{\text{eq}}^{\text{nuc}} \cos(\omega^0 t) \exp\{-t/T_2\}$$

$$M_x^{\text{nuc}} = M_{\text{eq}}^{\text{nuc}} \sin(\omega^0 t) \exp\{-t/T_2\}$$

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