$M_{xy} = 0$ before θ

$TR > 5 \cdot T_2^*$

$M_{z,B} = M_{z,A} \cdot \cos\theta$

$M_{z,C} = M_{z,B} \, e^{-TR/T_1} + M_0(1 - e^{-TR/T_1})$

let $E_1 = e^{-TR/T_1}$

$M_{z,C} = M_{z,A} \cos\theta \, E_1 + M_0(1 - E_1)$

At SS , $M_{z,A} = M_{z,C} = M_{z,SS}$

$$\frac{M_{z,A}}{M_0} = \frac{1 - E_1}{1 - \cos\theta \cdot E_1} \rightarrow M_{z,SS} = \frac{1 - E_1}{1 - \cos\theta E_1} \times M_0$$

$$M_{xy,SS}(TE) = M_{z,SS} \cdot \sin\theta \cdot e^{-TE/T_2^*}$$

$$= \frac{M_0 \sin\theta (1 - E_1)}{1 - \cos\theta \cdot E_1} \, e^{-TE/T_2^*} \quad \#$$