

 $\ddot{i}_{p}(t) = \dot{i}_{m}(t) + \dot{i}_{h}(t)$ 

Magnetization current which is the current required to produce the flex in the trans where core which the current required to make up for hysteresis and eddy current losses.

Hysteresis: This is basically associated with the rearrangement of the magnetic domains in the core of the transfirm.

Eddy ceverent: This is resistive heating losses in the core of the transfirm











