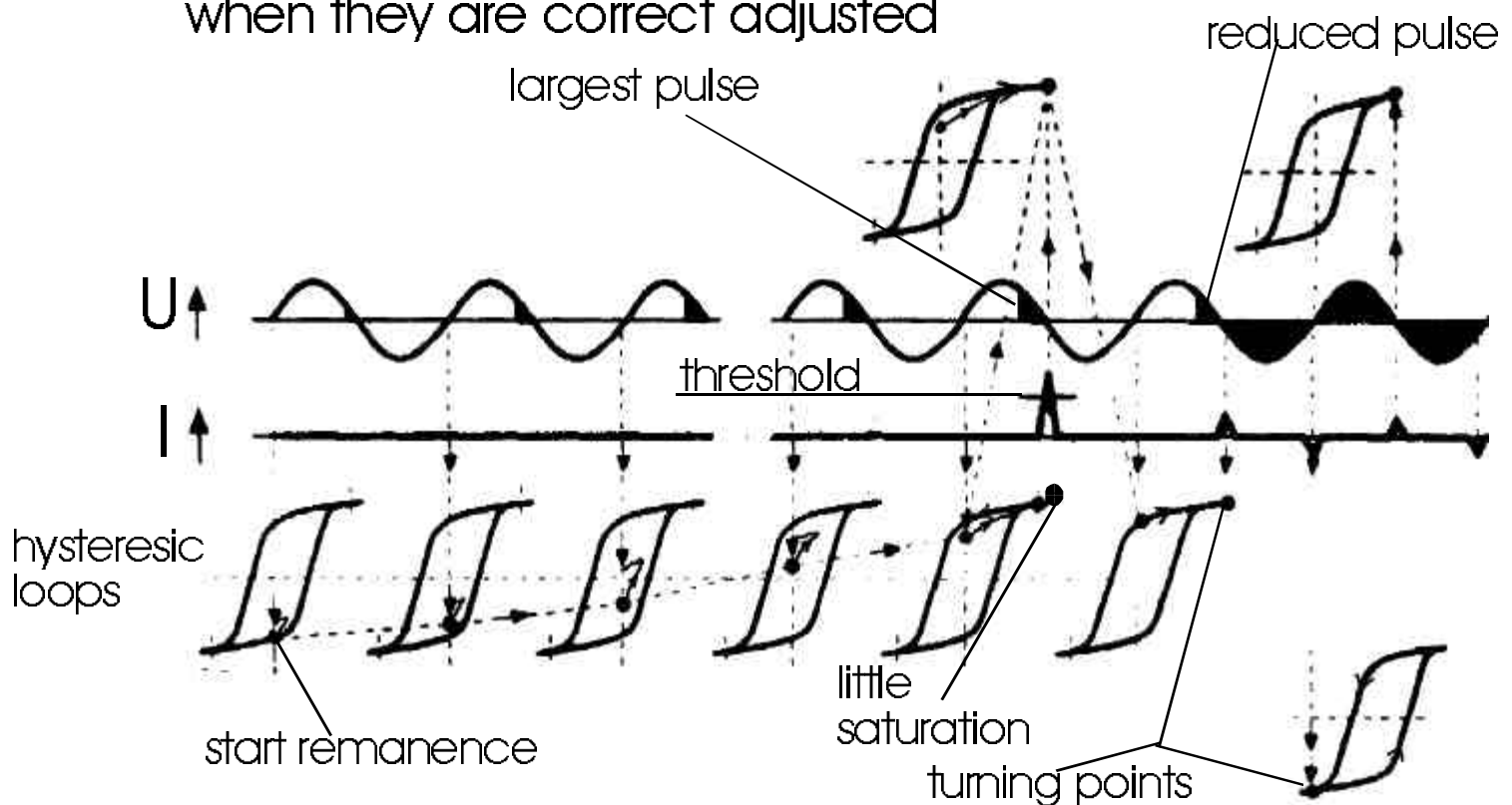


tse3vfe.cdr

procedure of tse 3, the patented, unipolar dimming, with growing pulses until reaching the current threshold, and then switch full on. Needs a current detector and more time for premagnetizing,

than procedure with fix pulses width by tse6 when they are correct adjusted



magnetizing will be transported by the voltage-time-area pulses in the iron core.

The advantage is, this procedure is adaptive to the transformer types in magnetizing strength..

The current detector detects in a little zero crossing window, the little inductive current, that depends not from load current. The current threshold is the same like the nominal current. This value is known from tse 3 by a potentiometer.

An other advantage is the ability to detect overcurrent values before full switch on, while the premagnetizing procedure. That builds in a forward looking, electronic fuse.