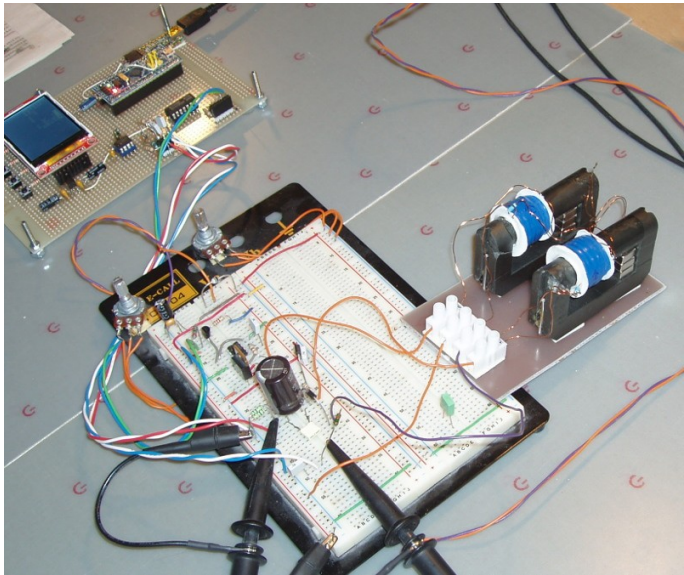


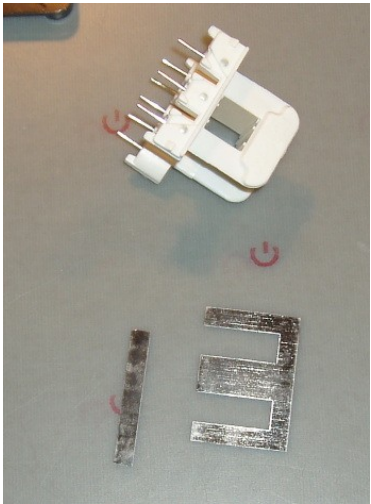
# BH Curves



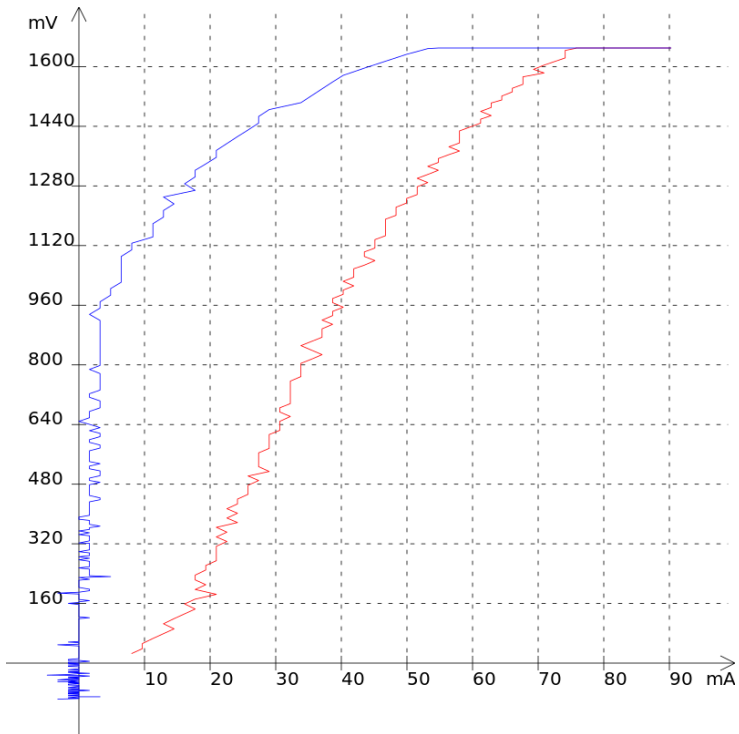
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# Permalloy 50 core



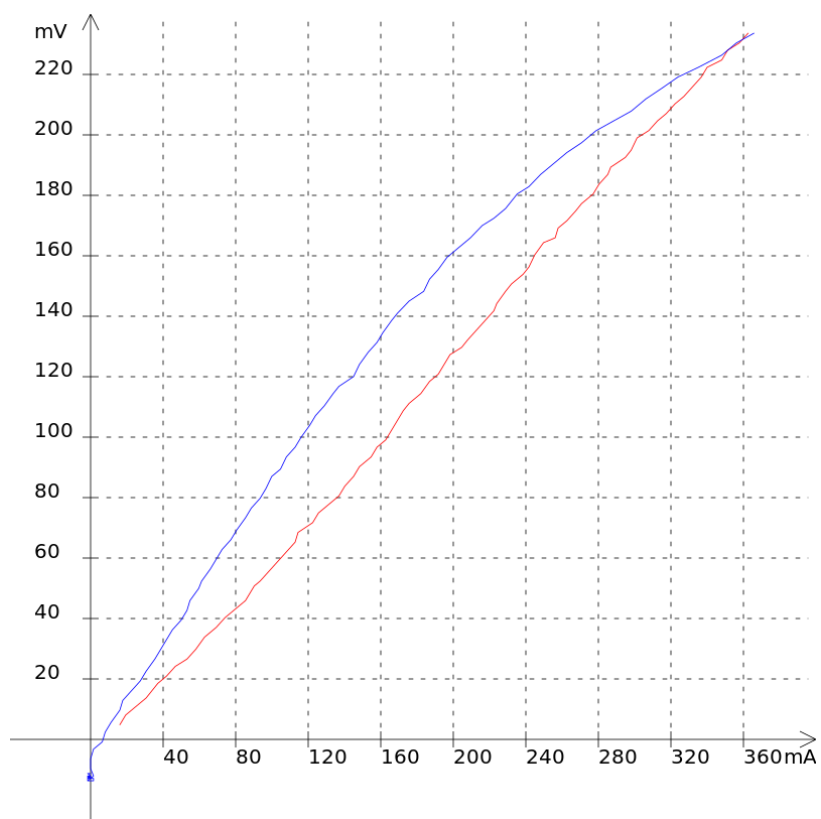
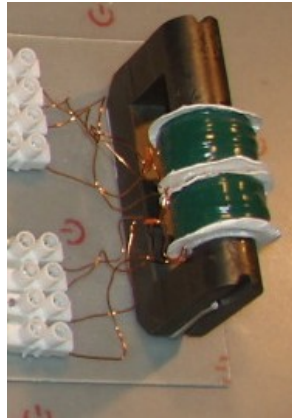
permally 50 core



red – magnetization, blue - demagnetization

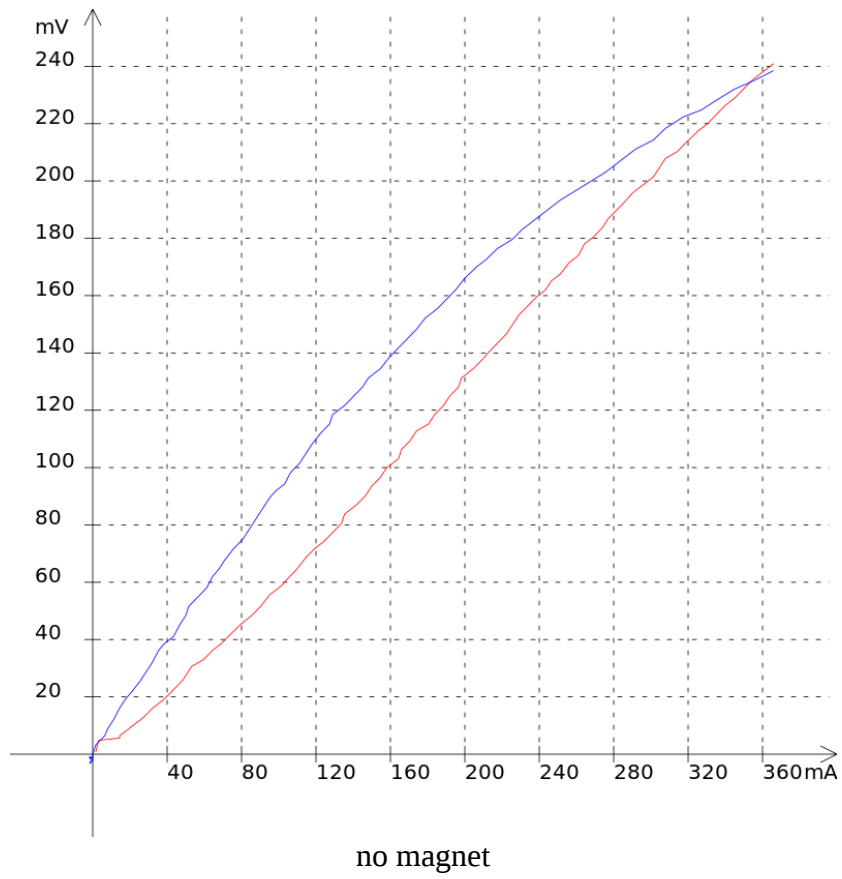
$t = 200\mu s$   $i_1 = -7.8 \mu J$   $i_2 = 1.3 \mu J$   $COP = 16.8\%$

## MEG C core

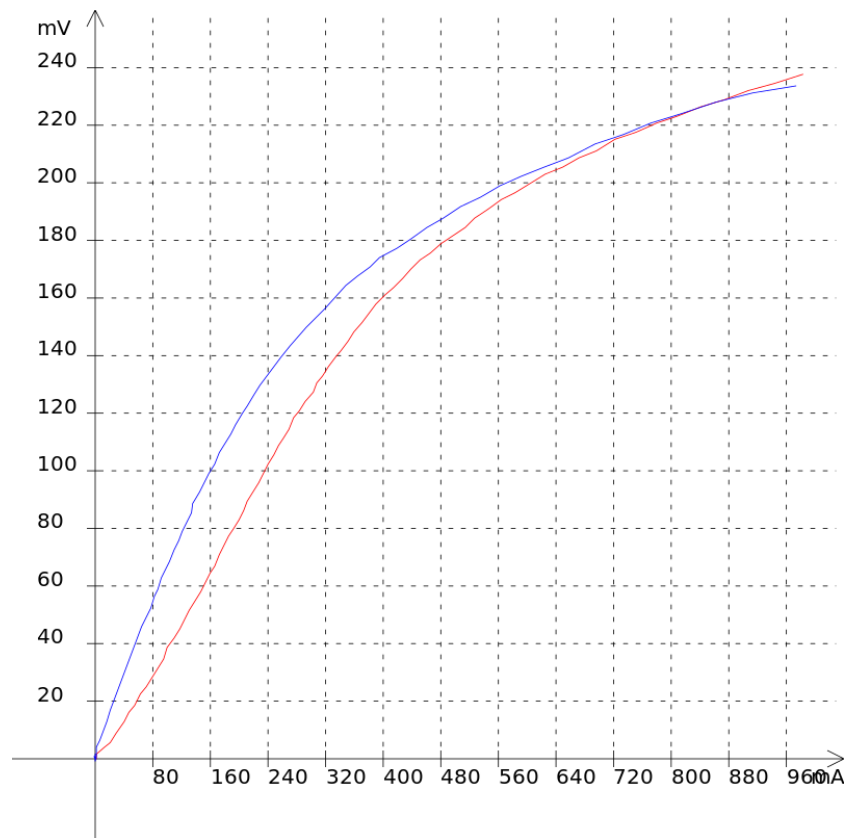


$t = 100\mu\text{s}$   $i_1 = -17.0\mu\text{J}$   $i_2 = 12.3\mu\text{J}$   $\text{COP} = 72.4\%$

## MEG C core and magnet

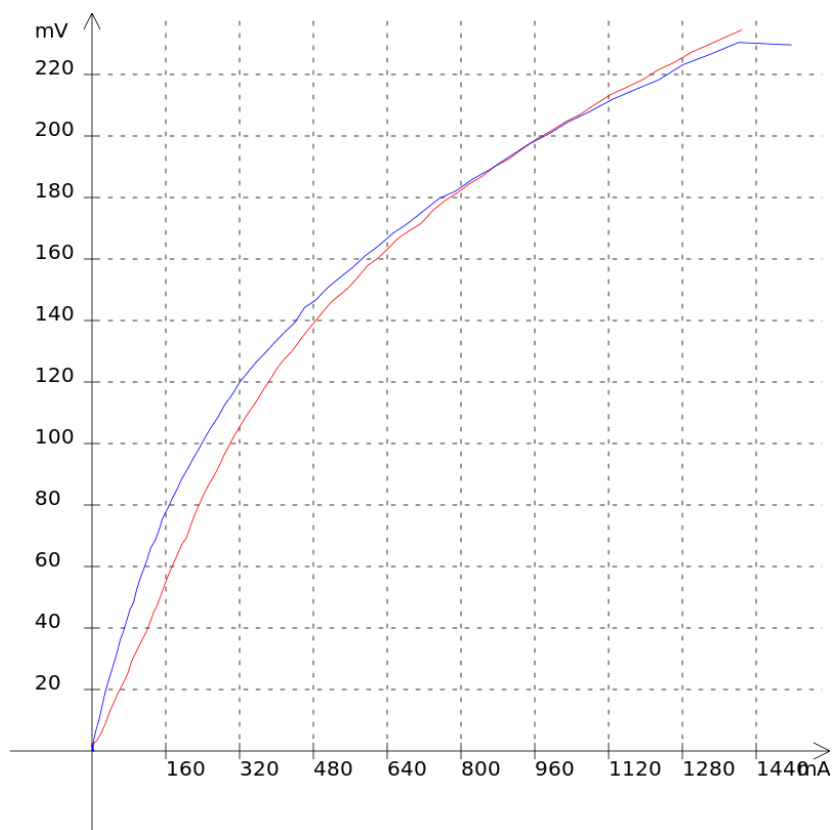


$t = 100\mu\text{s}$   $i_1 = -17.3\mu\text{J}$   $i_2 = 12.3\mu\text{J}$   $\text{COP} = 71.2\%$



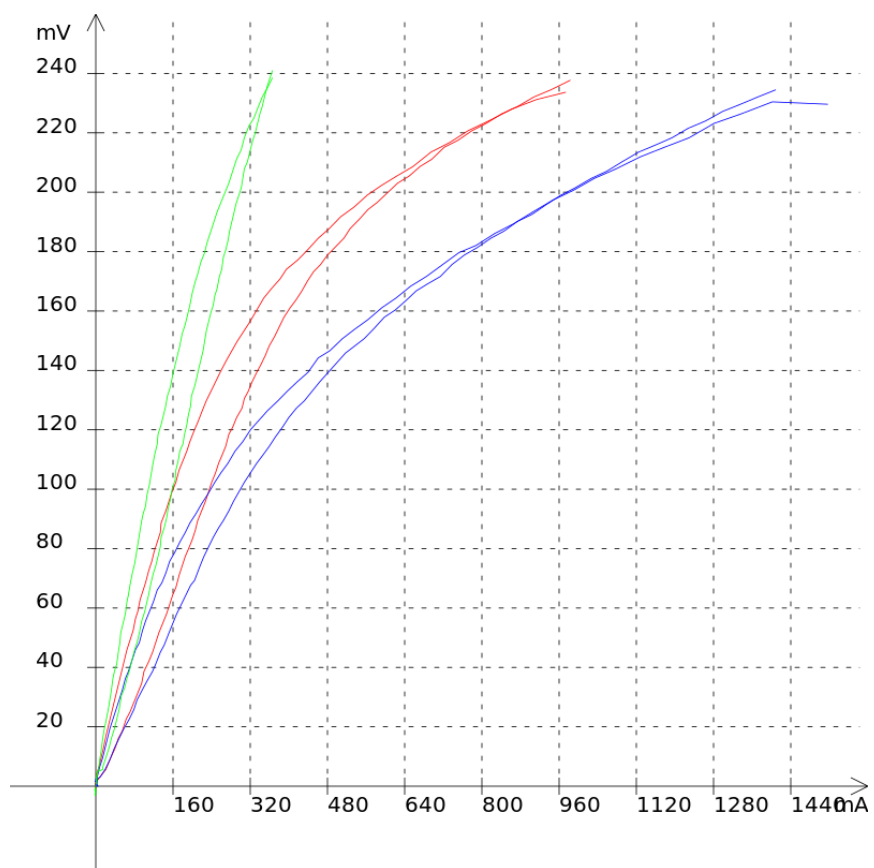
with magnet

$t = 100\mu\text{s}$   $i_1 = -32.0\text{ }\mu\text{J}$   $i_2 = 22.1\text{ }\mu\text{J}$  COP = 69.1%



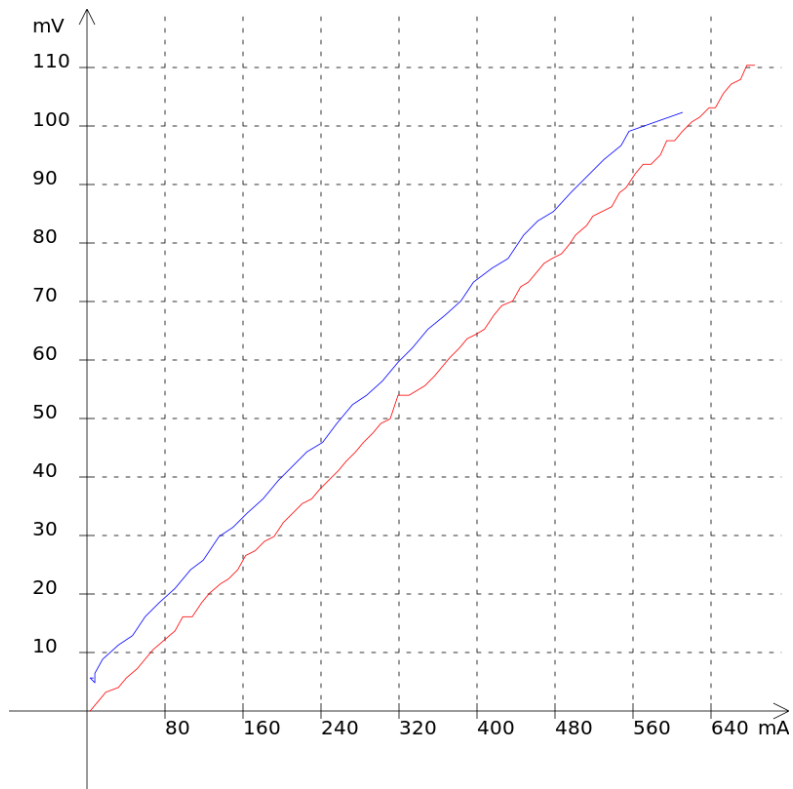
against magnet

$t = 100\mu\text{s}$   $i_1 = -47.0\text{ }\mu\text{J}$   $i_2 = 33.1\text{ }\mu\text{J}$  COP = 70.5%



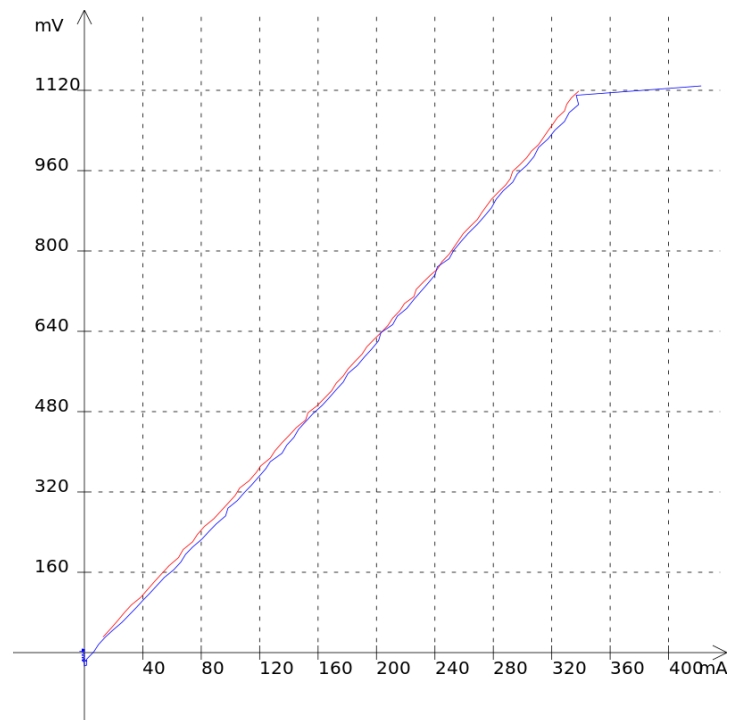
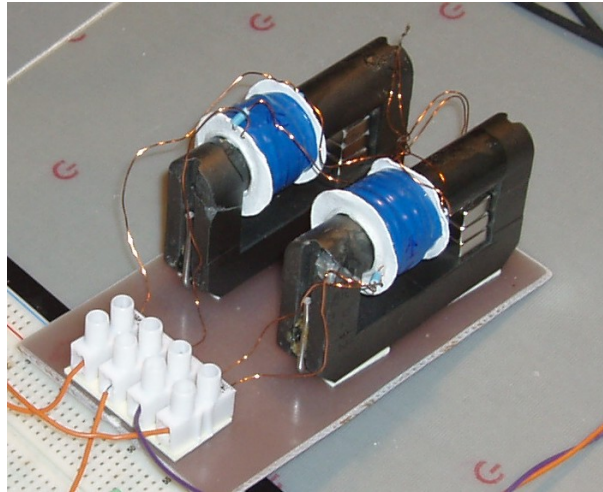
all 3 variants

## Open C core ( $\frac{1}{2}$ of the MEG C core)



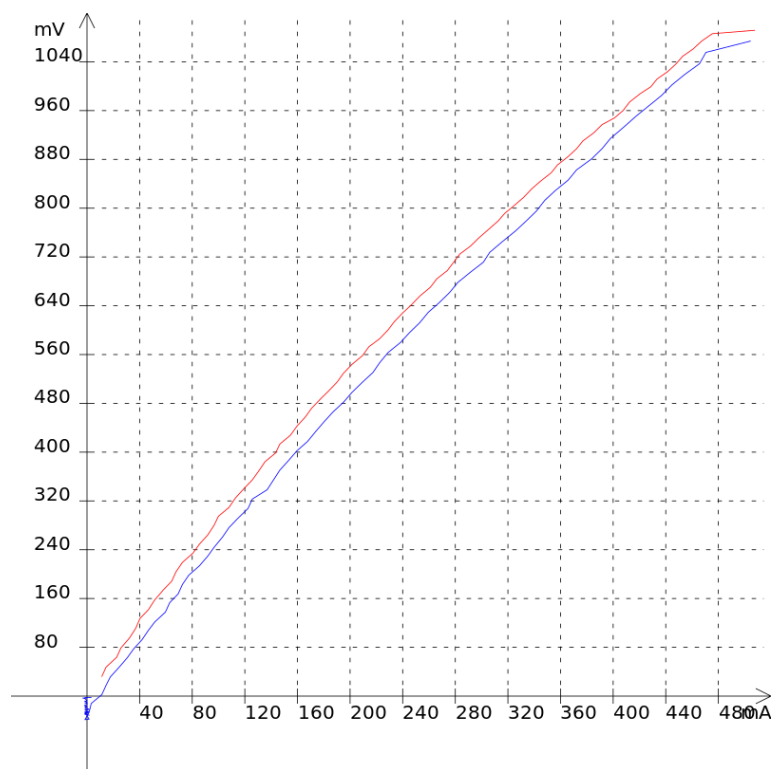
$t = 100\mu\text{s}$   $i_1 = -33.3\text{ }\mu\text{J}$   $i_2 = 12.9\text{ }\mu\text{J}$   $\text{COP} = 38.8\%$

## Dual MEG C core

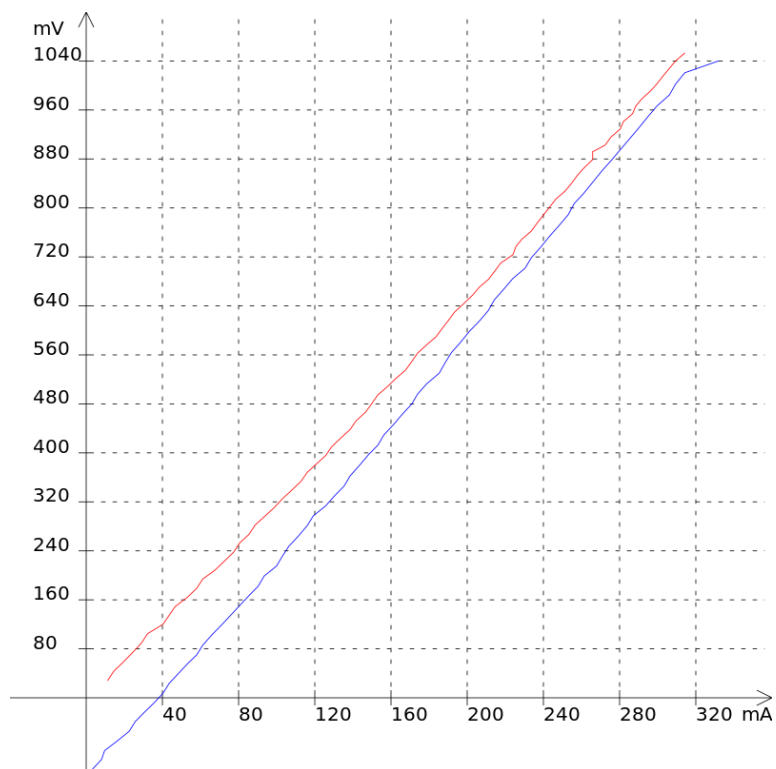


m-m- t = 101us i1 = -16.8 uJ i2 = 14.2 uJ COP = 84.5%





m+m- t=101us i1 = -21.1 uJ i2 = 17.3 uJ COP = 82.0%



m+m+ t=101us i1 = -15.4 uJ i2 = 12.8 uJ COP = 83.3%

# N30 Ring core

