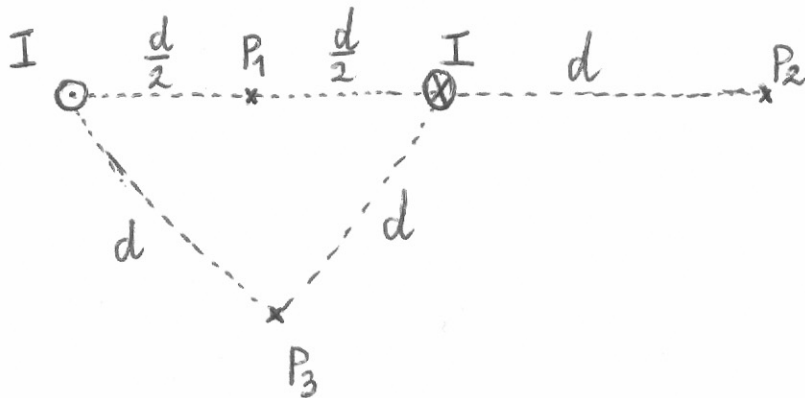


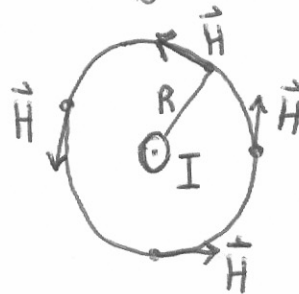
4.)  $I=2A$   $d=2cm$   $\vec{H}$  a  $P_1, P_2, P_3$  helyeken



Ampère-féle gerjesztési törvény:

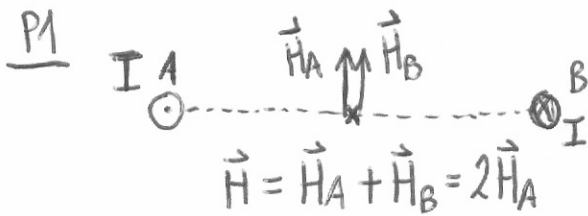
$$\oint_G \vec{H} \cdot d\vec{s} = \sum I_i$$

végtelen egyenes vezetőre:



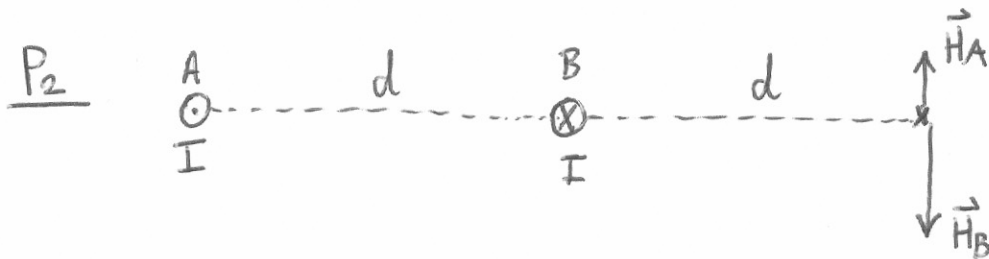
$$H \cdot 2R\pi = I$$

$$H = \frac{I}{2R\pi}$$



$$\vec{H} = \vec{H}_A + \vec{H}_B = 2\vec{H}_A$$

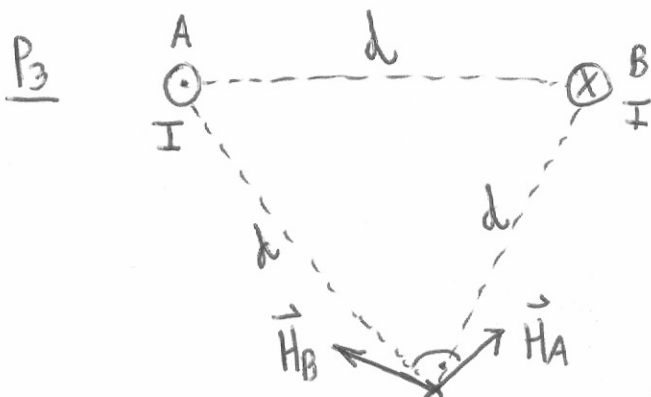
$$H_A = \frac{I}{2 \cdot \frac{d}{2} \pi} = \dots \quad H = \dots$$



$$\vec{H} = \vec{H}_A + \vec{H}_B$$

$$H_A = \frac{I}{2 \cdot 2d\pi} \quad H_B = \frac{I}{2d\pi}$$

$$H = \dots$$



$$H_A = H_B = \frac{I}{2d\pi}$$

$$\vec{H} = \vec{H}_A + \vec{H}_B$$

$$H = H_A \cdot \cos 60^\circ \cdot 2$$

$$H = \dots$$