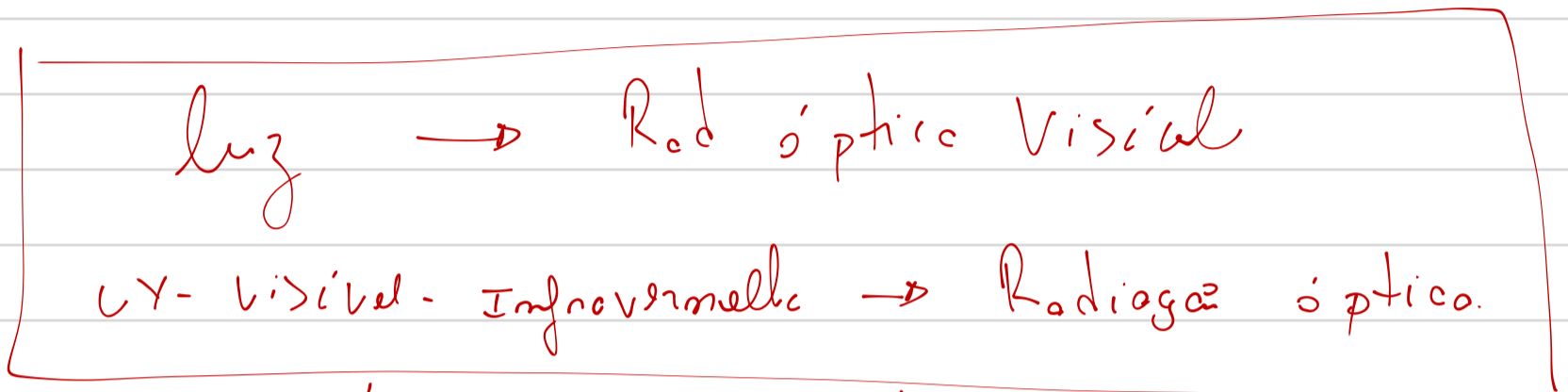
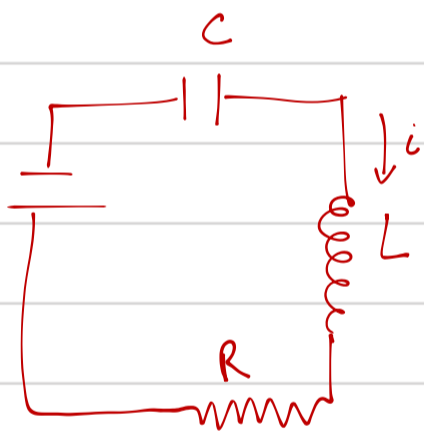


Disciplina de Física IV - Óptica

geração de radiação eletromagnética

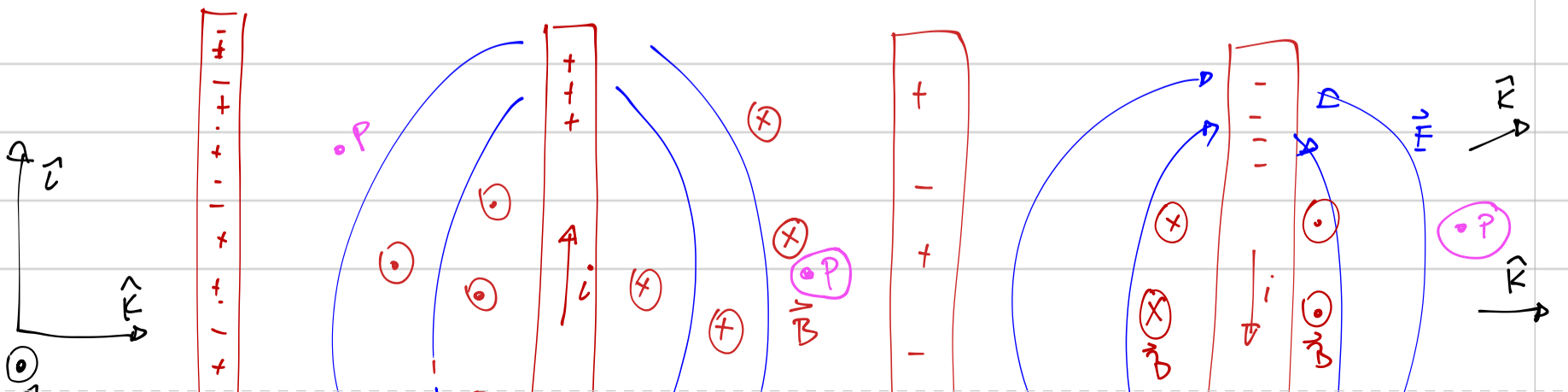
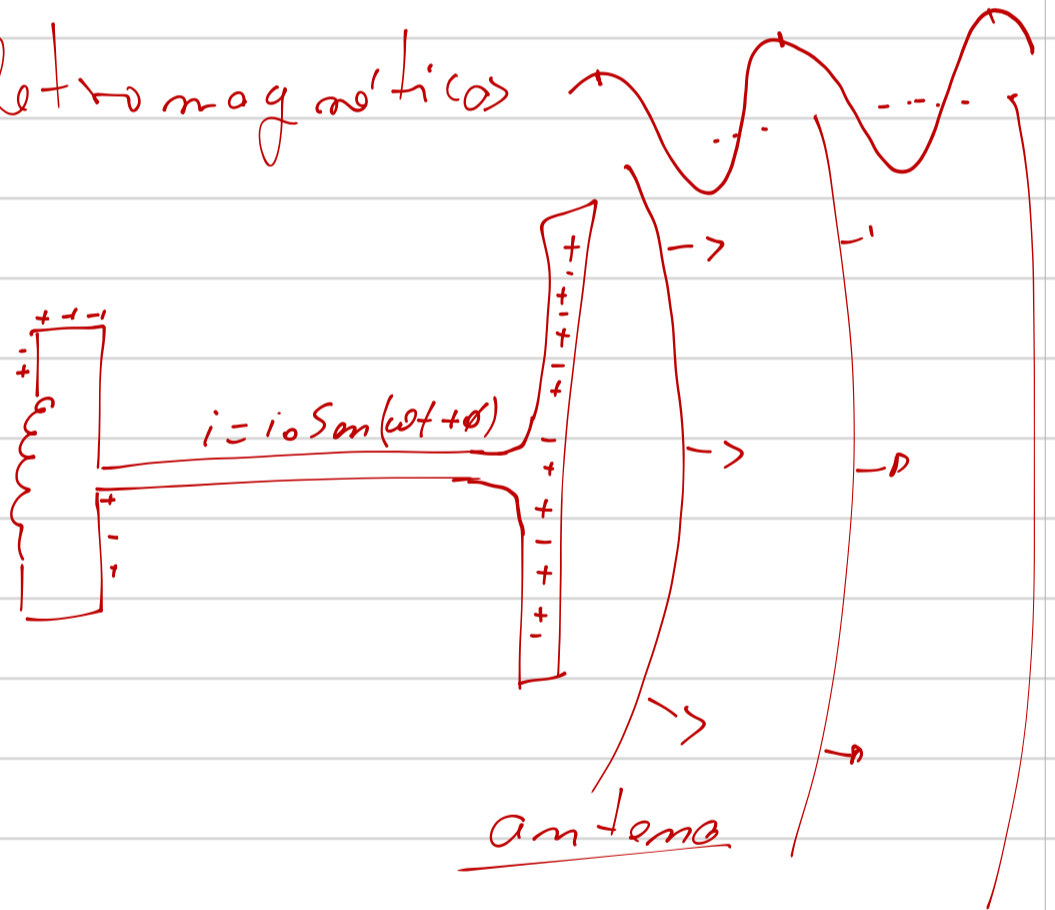


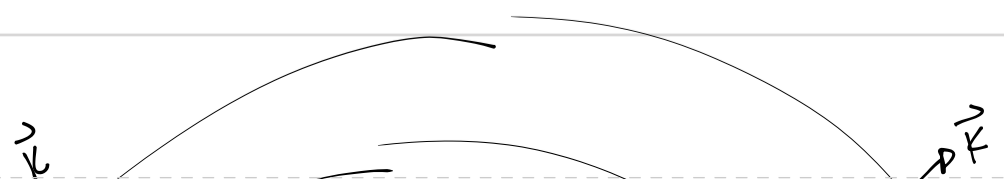
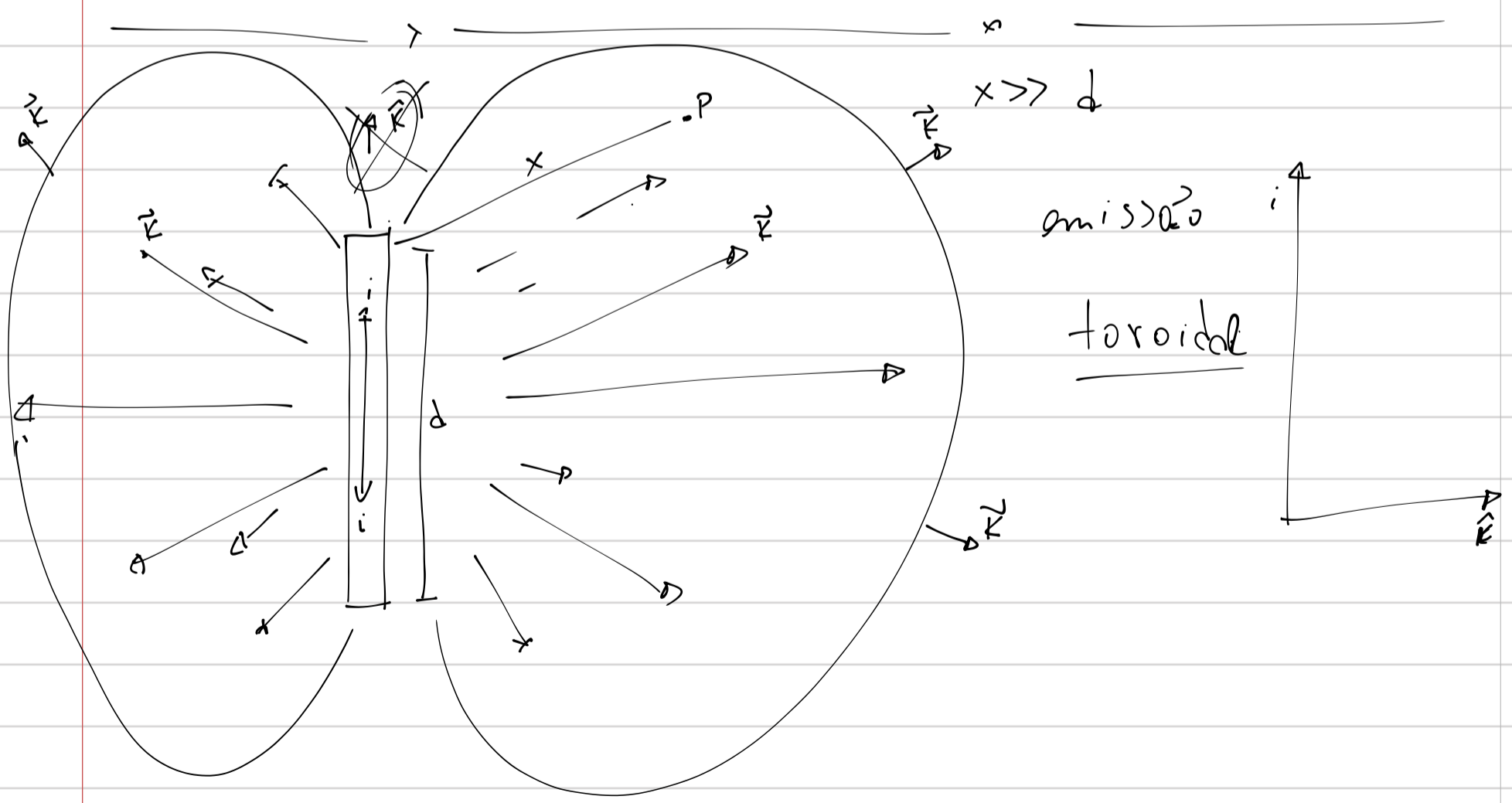
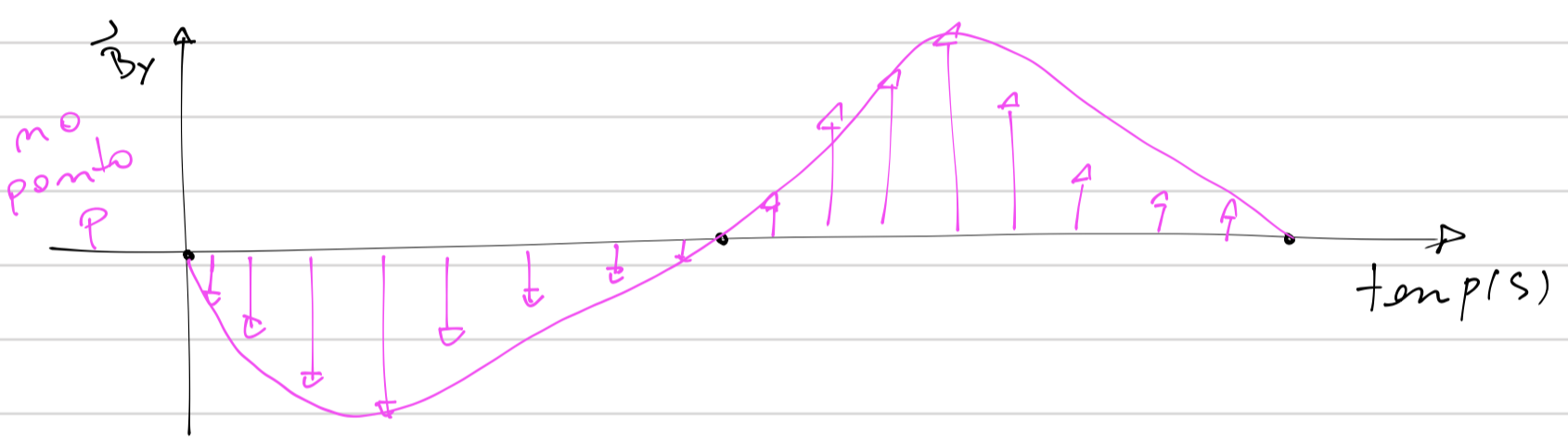
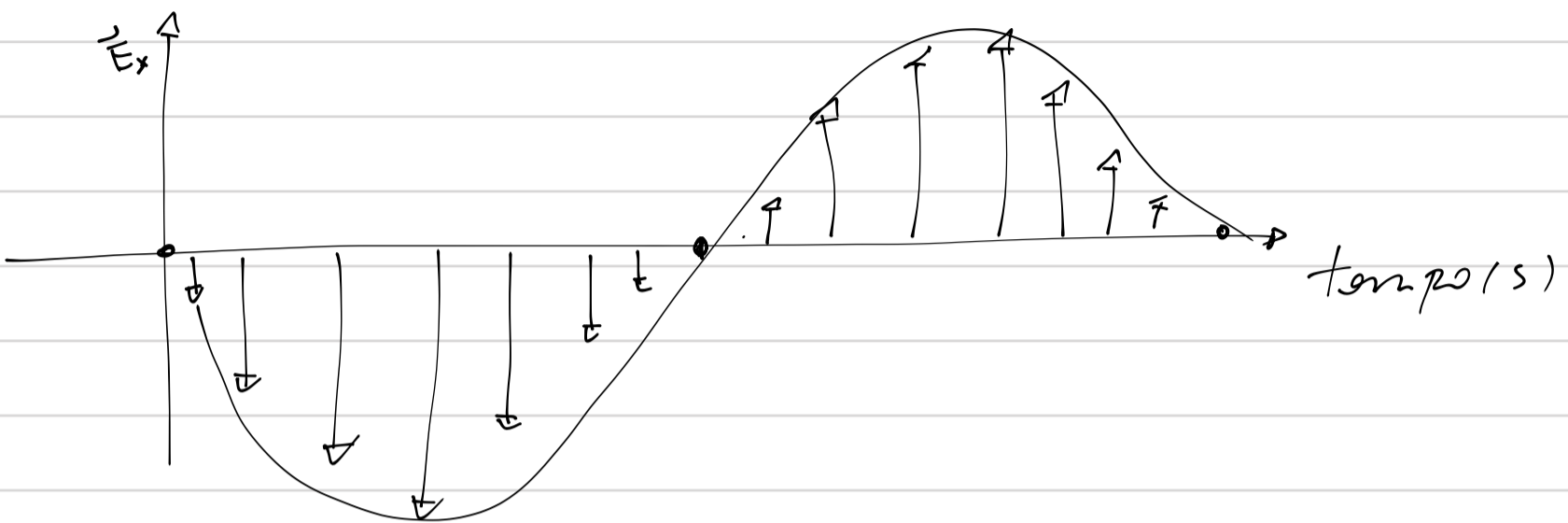
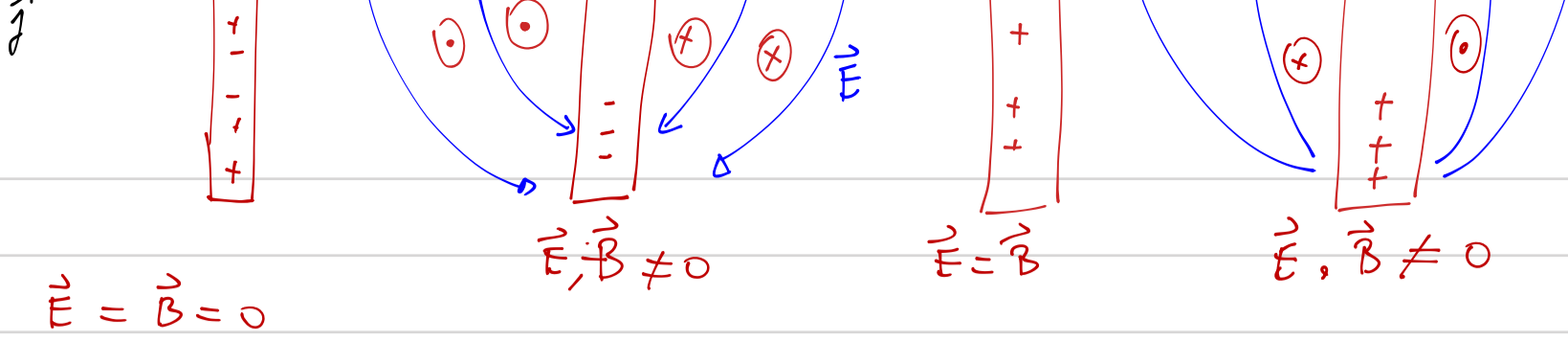
Ondas eletromagnéticas

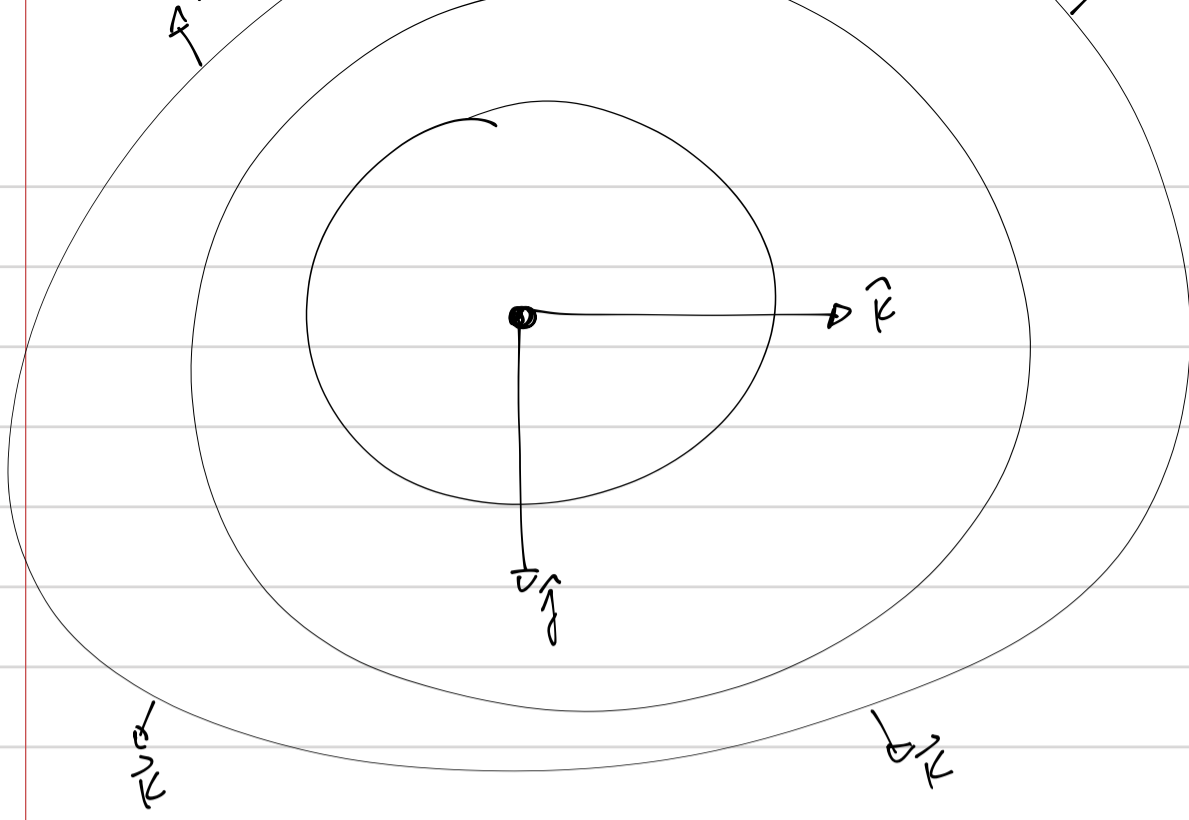


$$i = i_0 \text{Sen}(\omega t + \phi)$$

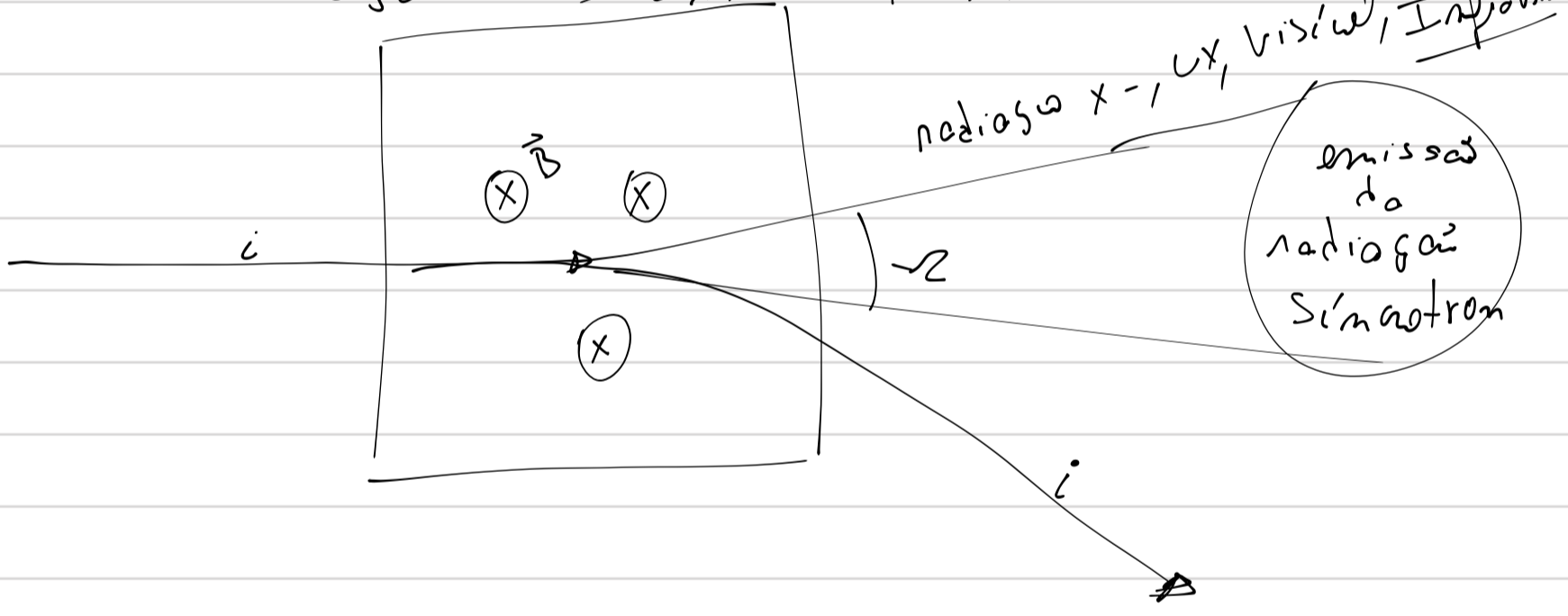
$$\omega = \frac{1}{\sqrt{LC}}$$



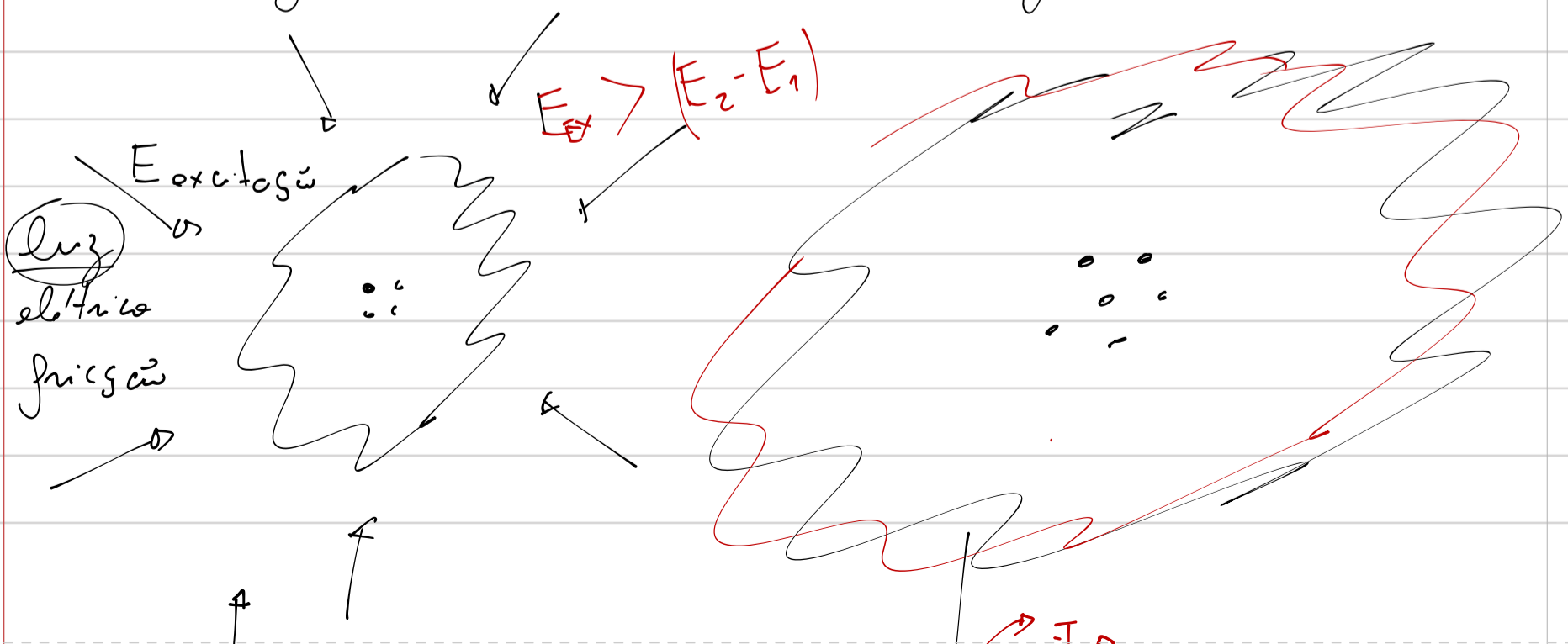


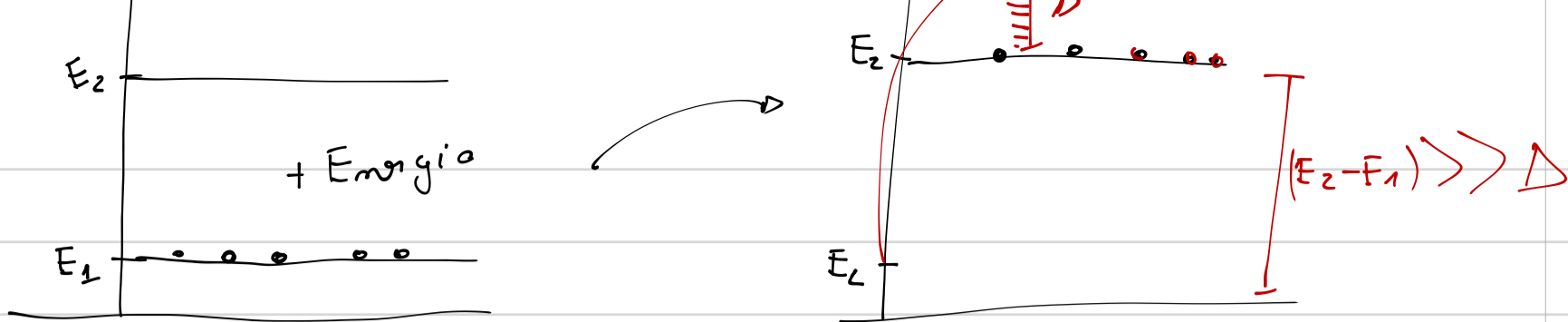


Radiação Síncrotron

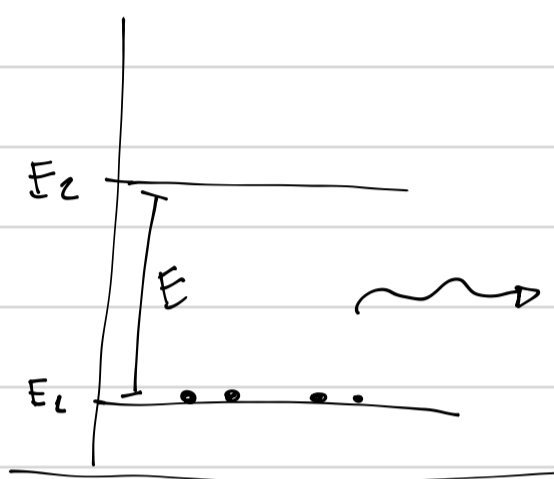


2) geração de ondas eletromagnéticas



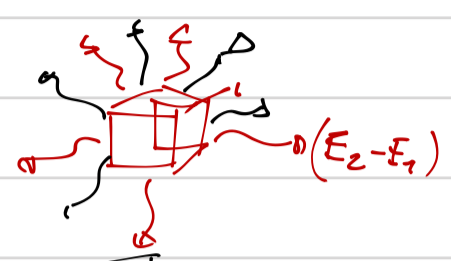


Se a
config.
atômica
decair



$$E = E_2 - E_1$$

Energia na
forma de
uma onda
eletromagnética



-
- mais opções de geração de OEM (óptica)
- óptica → Ultravioleta, visível, infravermelho
- lâmpada fluorescente
 - LEDs
 - fibra luminosa óptica
-