

Teste Modelo 2 – soluções

P1	A	B	C
a)	10.6 μT	13.4 μT	8.32 μT
b)	atraído	atraído	atraído
c)	$2.36 \times 10^{-7}\text{N}$	$4.47 \times 10^{-7}\text{N}$	$1.39 \times 10^{-7}\text{N}$
P2	A	B	C
a)	$B S \cos[\theta_0 \sin(\omega t)]$	$B S \cos[\theta_0 \sin(\omega t)]$	$B S \cos[\theta_0 \sin(\omega t)]$
b)	zero	zero	zero
c)	horário	horário	horário
	(para contrariar o aumento do fluxo)		
d)	zero	zero	zero
	(porque tem que mudar de sentido nesse ponto para passar a reforçar o fluxo)		
P3	A	B	C
a)	invers. proporcional a r	invers. proporcional a r	invers. proporcional a r
b)	507 h (H)	113 h (H)	357 h (H)
u1	$286 r^{-2}$	$127 r^{-2}$	$31.8 r^{-2}$
u2	$179 r^{-2}$	$79.6 r^{-2}$	$19.9 r^{-2}$
P4	A	B	C
a)	polarizada linearmente	polarizada linearmente	polarizada linearmente
b)	$1.89 \times 10^8 \text{ms}^{-1}$	$1.89 \times 10^8 \text{ms}^{-1}$	$1.89 \times 10^8 \text{ms}^{-1}$
c)	238.0 Ω	238.0 Ω	238.0 Ω
d)	$2.57 \times 10^{-8} \text{Am}^{-1}$	$2.57 \times 10^{-8} \text{Am}^{-1}$	$2.57 \times 10^{-8} \text{Am}^{-1}$
e)			
H _{0x}	$-2.22 \times 10^{-8} \text{Am}^{-1}$	$-1.27 \times 10^{-8} \text{Am}^{-1}$	$1.27 \times 10^{-8} \text{Am}^{-1}$
H _{0y}	$1.27 \times 10^{-8} \text{Am}^{-1}$	$2.22 \times 10^{-8} \text{Am}^{-1}$	$-2.22 \times 10^{-8} \text{Am}^{-1}$
H _{0z}	$3.17 \times 10^{-9} \text{Am}^{-1}$	$-3.17 \times 10^{-9} \text{Am}^{-1}$	$3.17 \times 10^{-9} \text{Am}^{-1}$