



Problemas 3

Problemas 3^(*)

Ondas

1. Griffiths, Cap. 1, P40 [Sol.: $T = 0.5$ s; $f = 2$ Hz]
2. Griffiths, Cap. 1, P41 [Sol.: 0.773 m]
3. Griffiths, Cap. 1, P42 [Sol.: 4.74×10^{14} Hz; vermelho]
4. Griffiths, Cap. 1, P43 [Sol.: $\lambda = 484$ m; $T = 1.61 \times 10^{-6}$ s]
5. Griffiths, Cap. 1, P44 [Sol.: a) 5 m; b) 2λ ; 2.5λ ; c) nada; d) som intenso]
6. Griffiths, Cap. 1, P45 [Sol.: 1.2 m; 0.40 m]
7. Griffiths, Cap. 1, P46 [Sol.: a) $\lambda = 0.66$ m; $f = 659$ Hz; b) $\lambda = 0.516$ m]

^(*) Problemas do livro *Revolutions in Twentieth Century Physics*, David J. Griffiths, Cambridge University Press (2013)