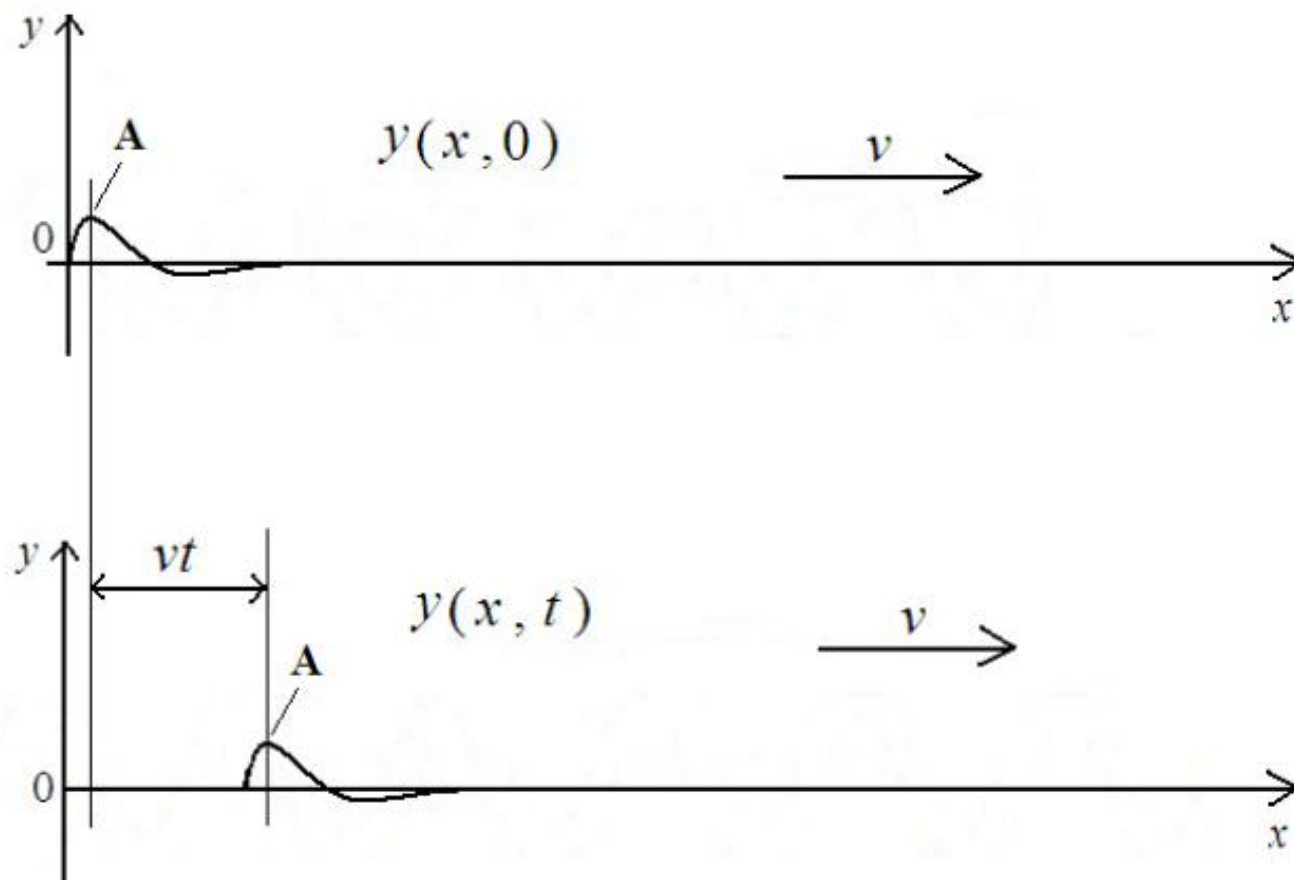
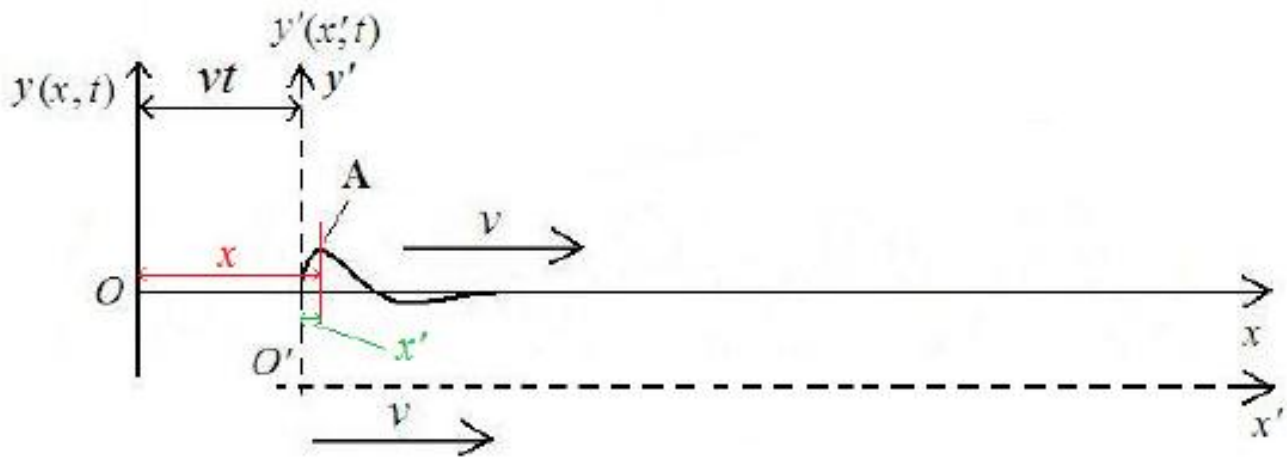
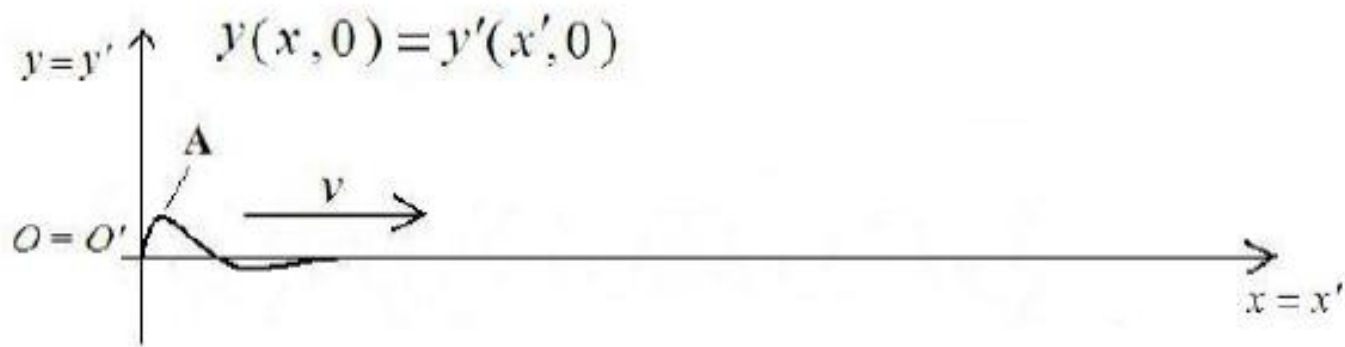


Aula 1



No tempo t a onda se deslocou uma distância vt para a direita

Fig. 1



O eixo horizontal do referencial linha foi desenhado um pouco abaixo do eixo horizontal do referencial sem linha para que os dois possam ser visíveis. Na realidade, o eixo tracejado está sobre o eixo contínuo.

Note que o referencial linha se movimenta para a direita com velocidade v

Fig. 2

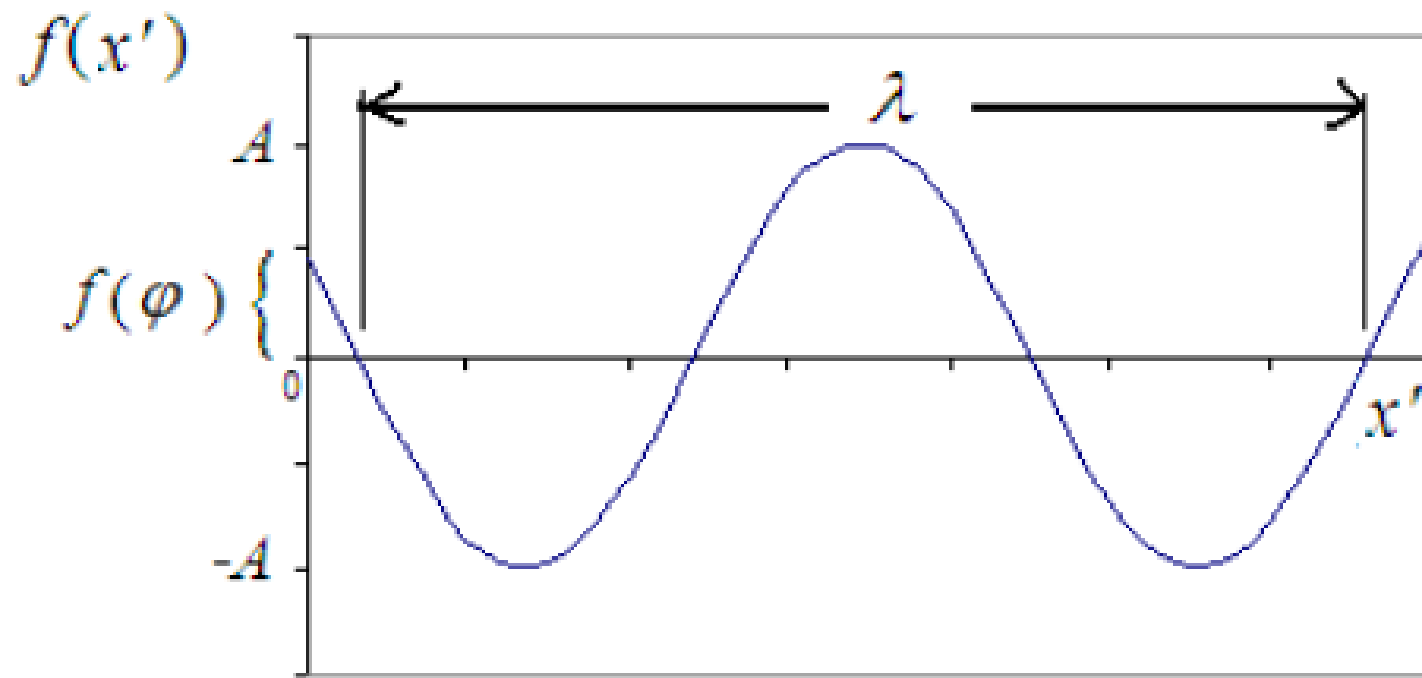


Fig. 3

$$y(x,t) = \frac{2}{(x-3t)^2 + 1}$$

$$f(x') = \frac{a}{(x')^2 + b}$$

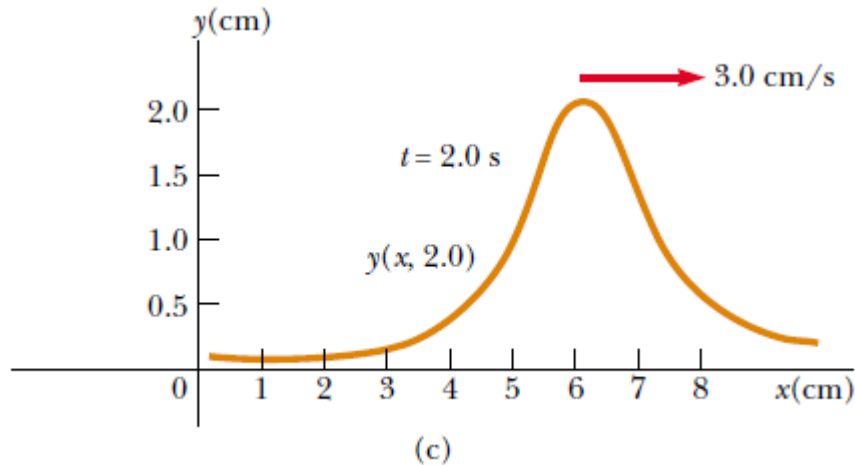
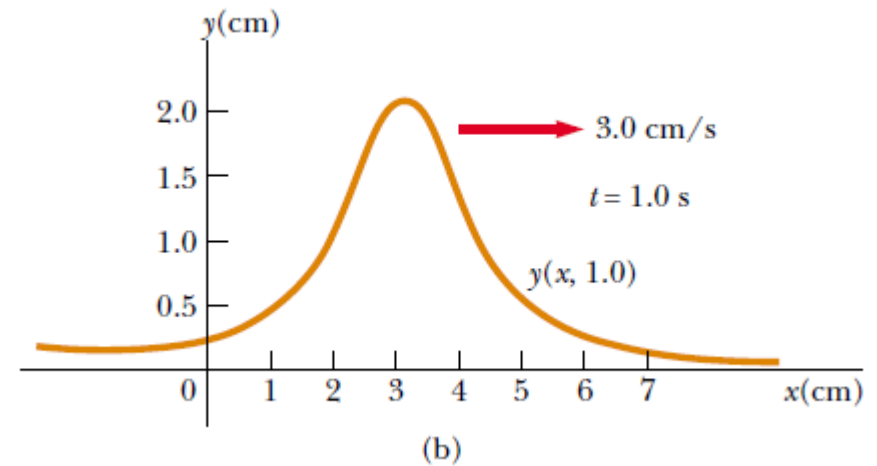
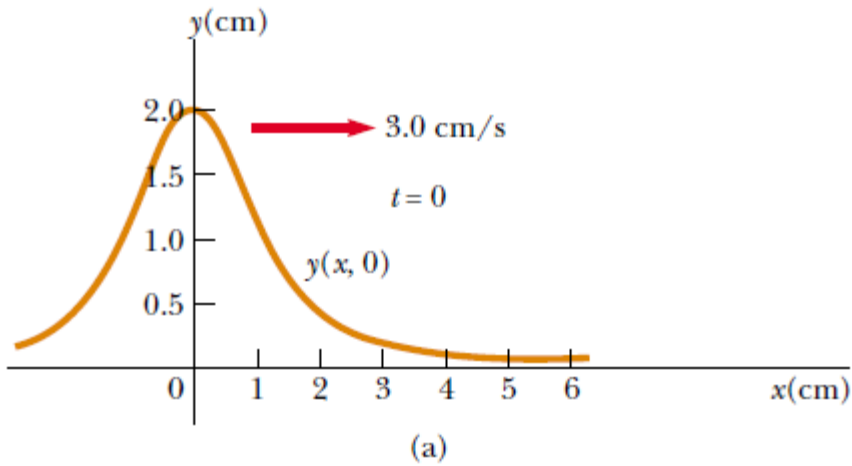


Fig. 4

Comportamento espacial

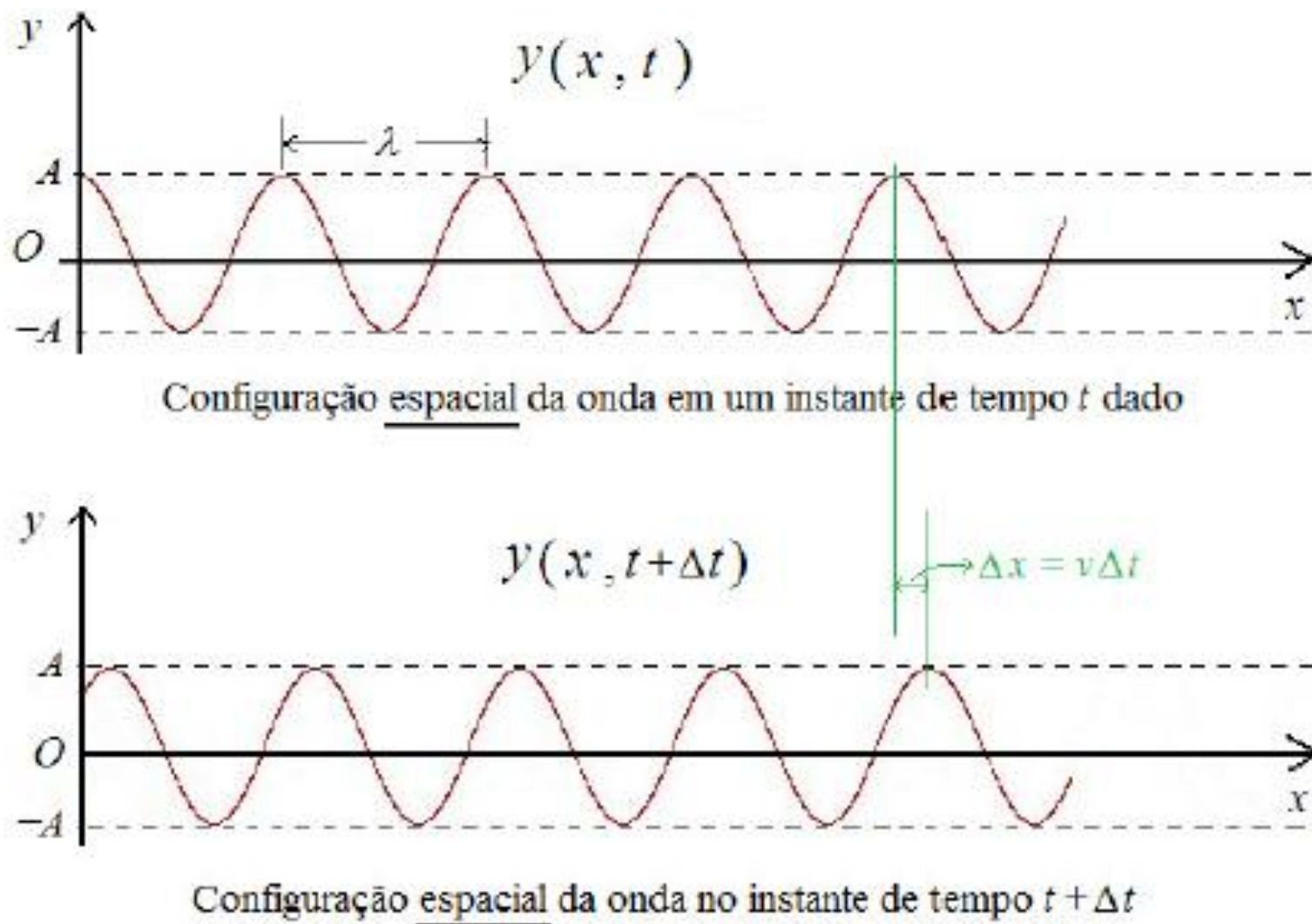


Fig. 5

Comportamento temporal

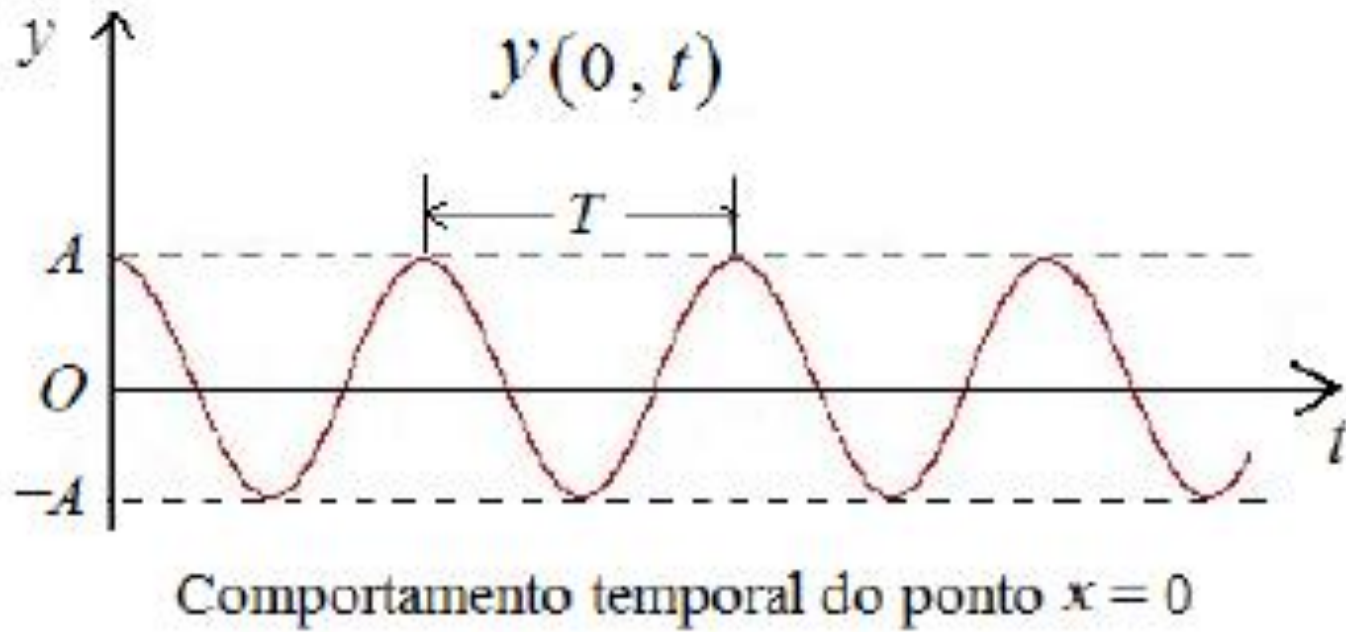


Fig. 6