

Uppgift V6c

Graferna visar två våglängder av totala vågen $h_{tot}(x, t)$ som funktion av positionen x vid några olika tidpunkter, samt den sista grafen visar ståendevågmönstret $|h_{tot}(x, t)|_{max}$.

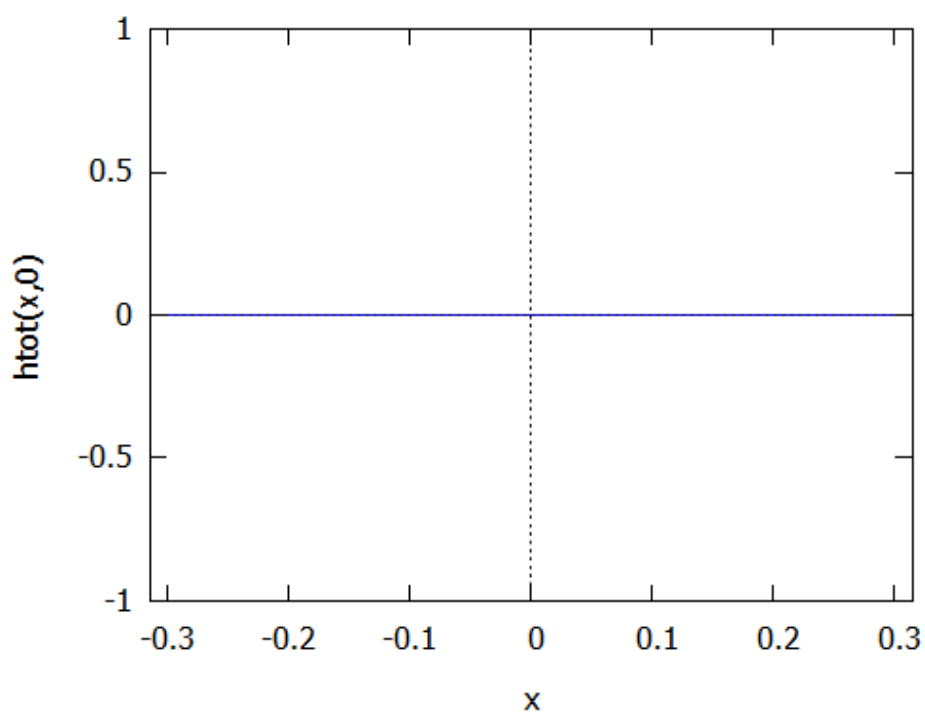


Fig.1 $t = 0$

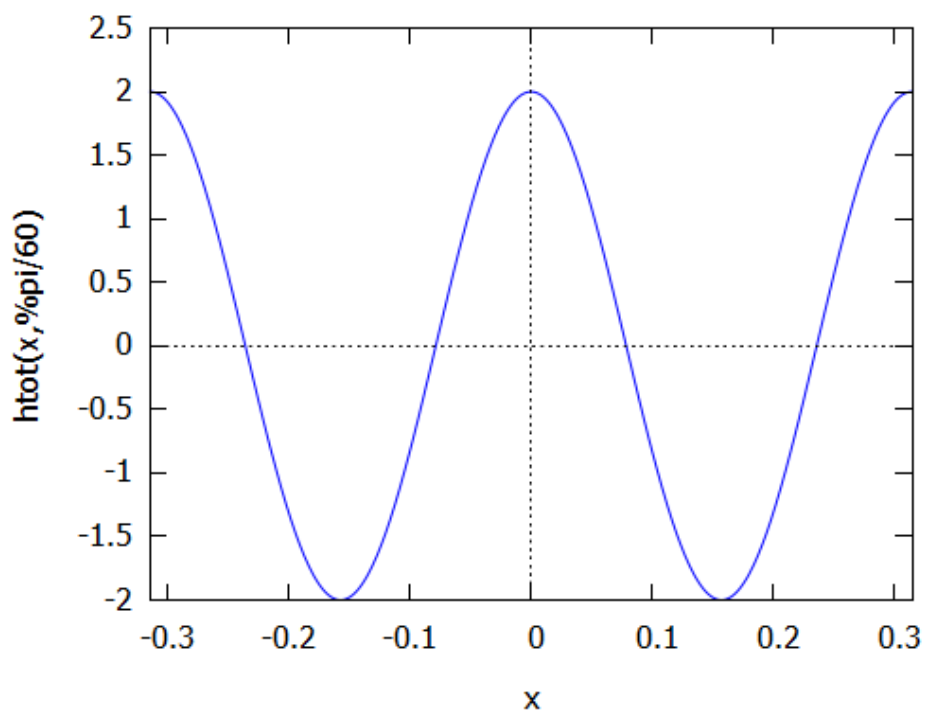


Fig.2 $t = \frac{\pi}{60}$

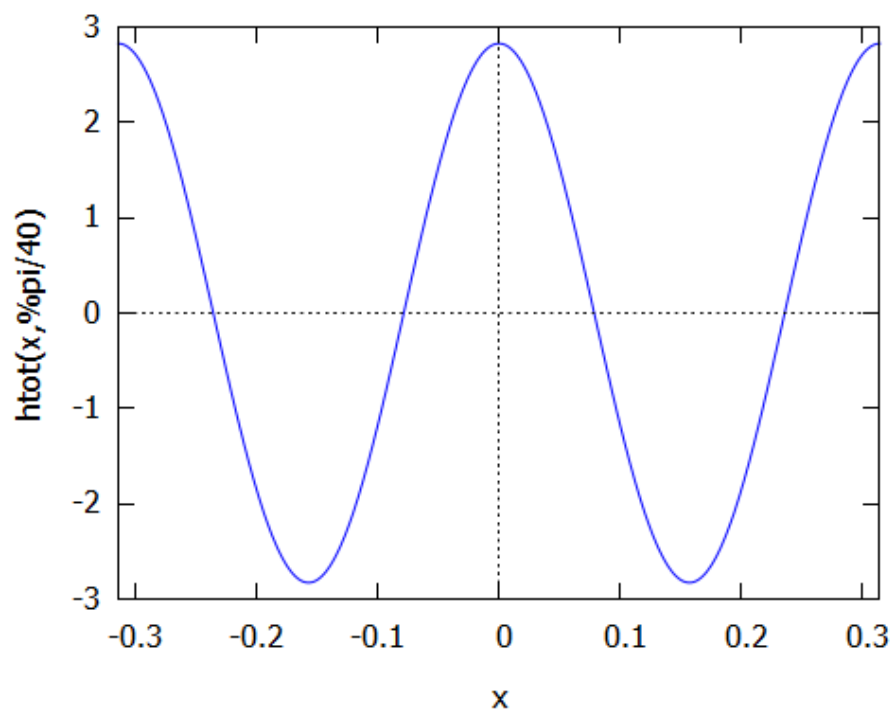


Fig.3 $t = \frac{\pi}{40}$

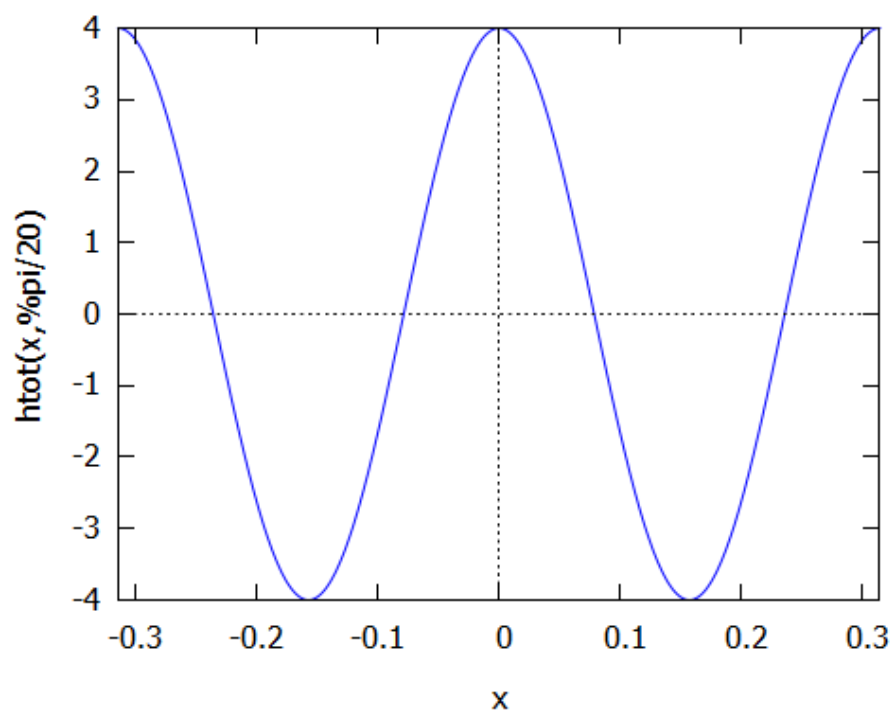


Fig.4 $t = \frac{\pi}{20}$

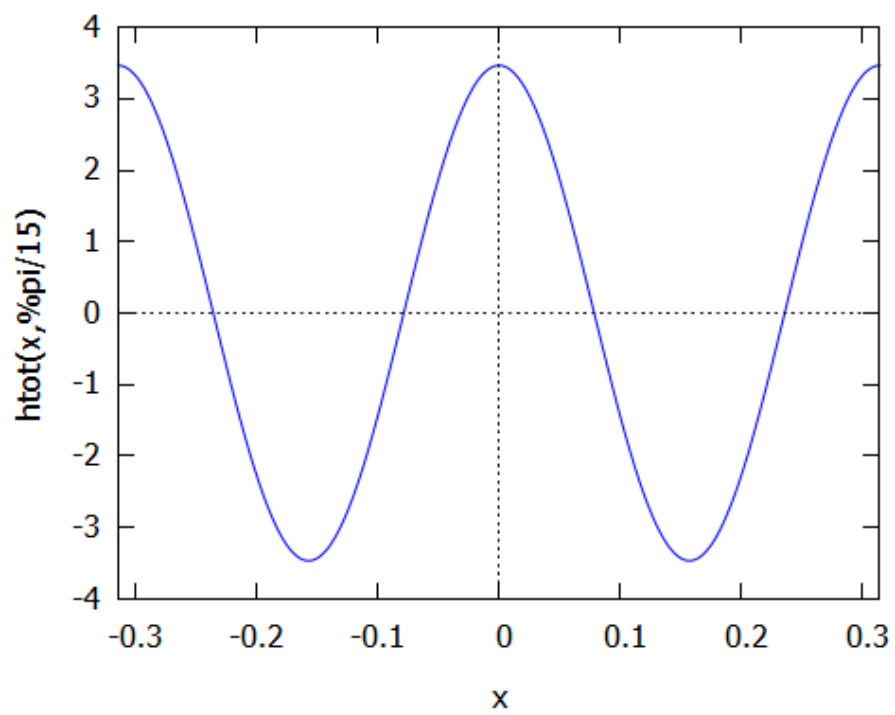


Fig.5 $t = \frac{\pi}{15}$

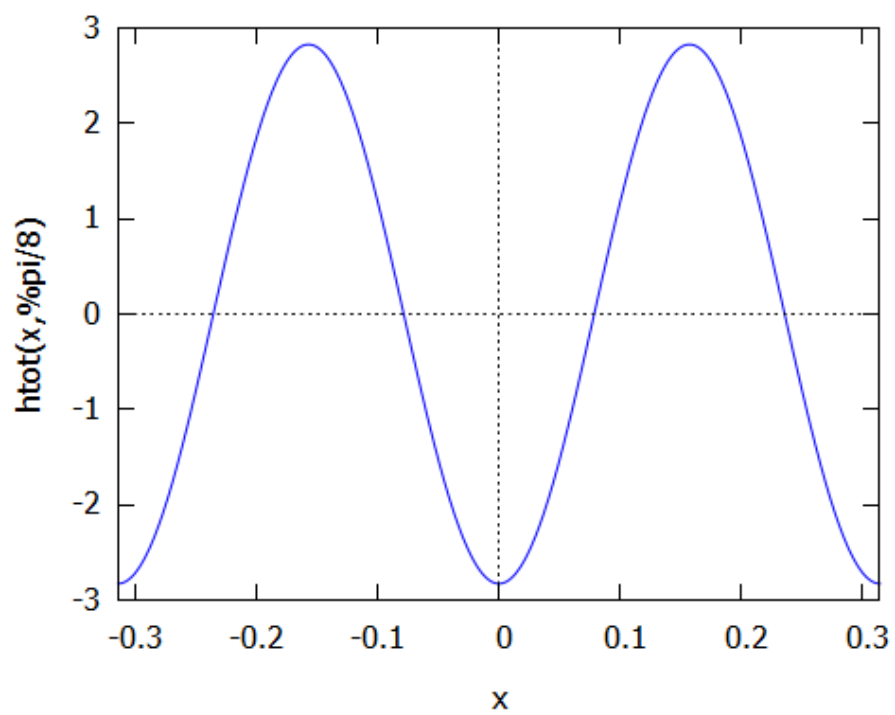


Fig.6 $t = \frac{\pi}{8}$

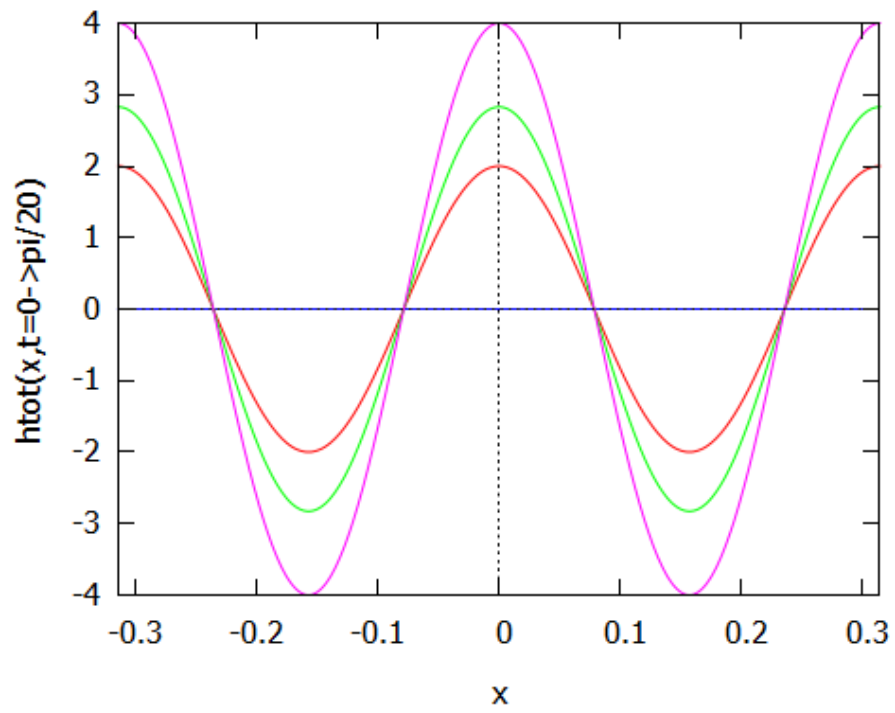


Fig.7 $t = 0, \frac{\pi}{60}, \frac{\pi}{40}, \frac{\pi}{20}$

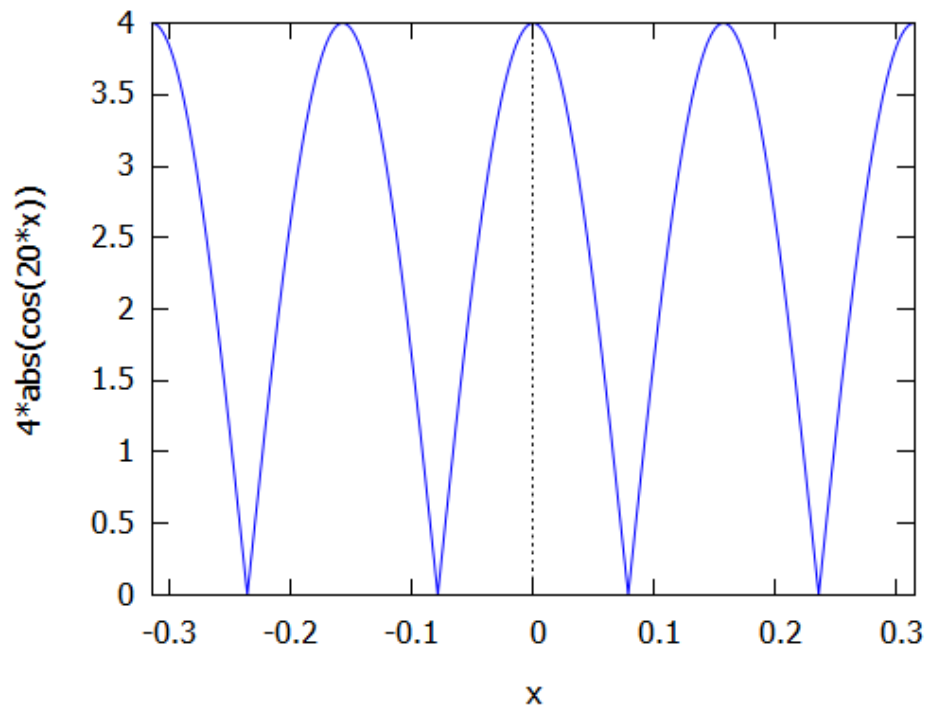


Fig.8 $|h_{tot}(x, t)|_{max}$