Beispiel 3.24: Fehler von Differenzenverfahren (VI)
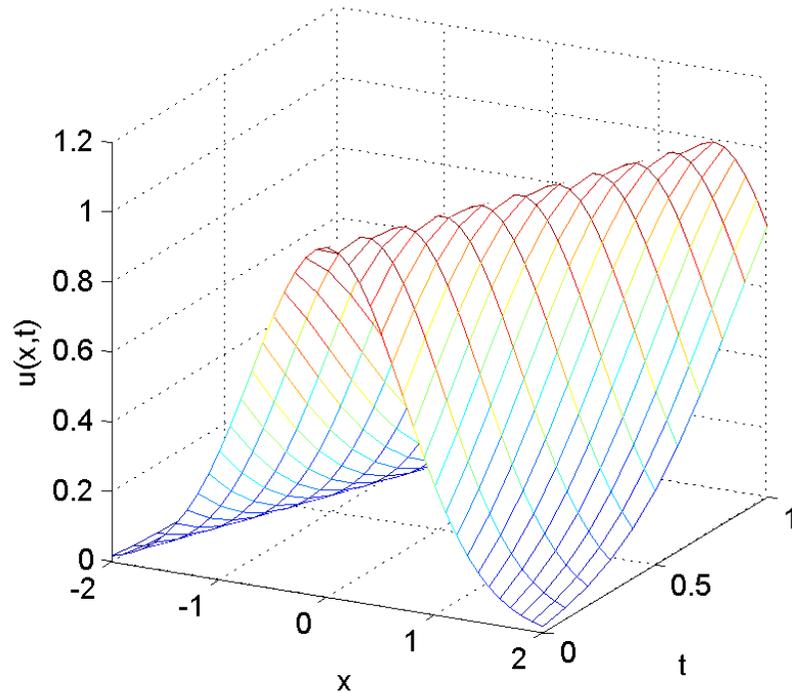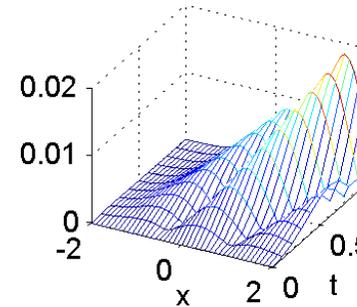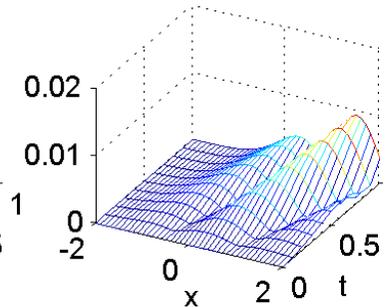

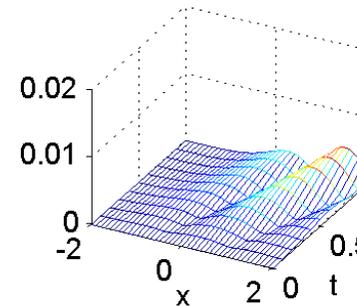$u_t + 1.5\, u_x = 0, \quad u(x,0) = \exp(-x^2) \quad$ (Upwind)

$h = 1/50, \tau = 1/200$

$h = 1/100, \tau = 1/400$

$h = 1/200, \tau = 1/800$

$h = 1/400, \tau = 1/1600$