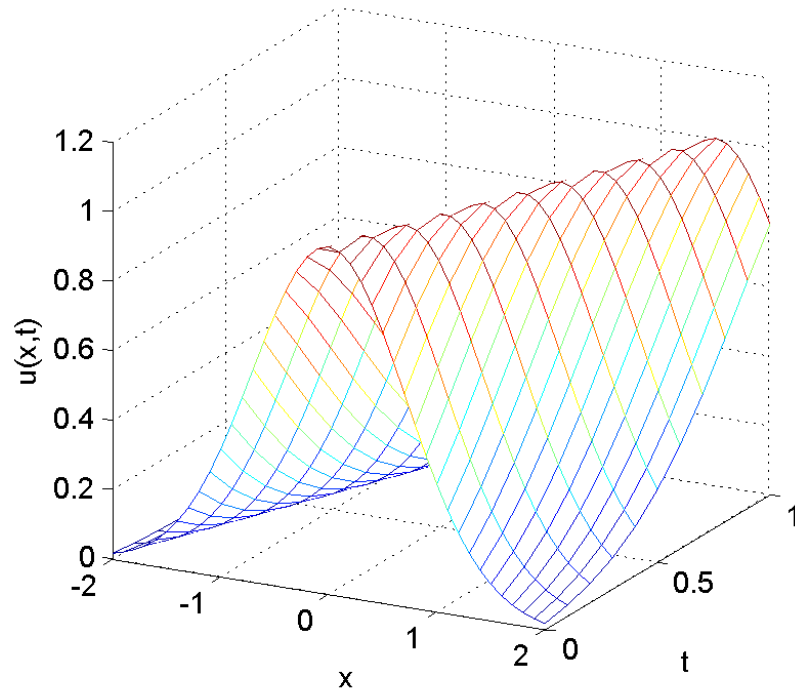
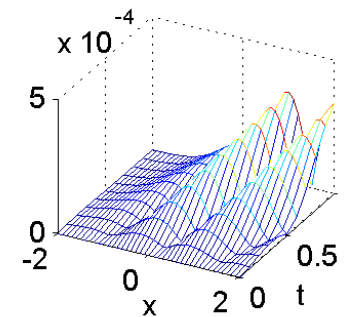


# Beispiel 3.24: Fehler von Differenzenverfahren (VIII)

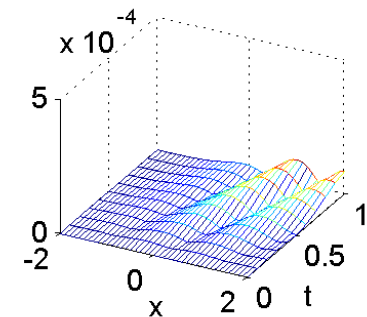
$$u_t + 1.5 u_x = 0, \quad u(x,0) = \exp(-x^2) \quad (\text{Lax-Wendroff})$$



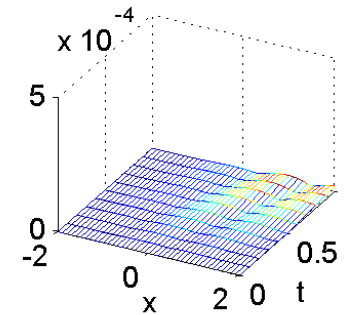
$$h = 1/50, \quad \tau = 1/200$$



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



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



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

