

with(DEtools) :

DEplot($y' = \left(\frac{y}{x}\right) + x \cdot e^{-x}$, $y(x)$, $x = -2 \dots 2$, $[[y(1) = 2]]$, $y = -3 \dots 3$, color = black, dirgrid = [27, 27],
 linecolor = blue)

