Testing .wls Scripts

In[1]:= `sol1 = DSolve[{D[y[x, t], t] + 2 D[y[x, t], x] == Sin[x], y[0, t] == Cos[t]}, y[x, t], {x, t}]`

`sol2 = sol1[[1, 1, 2]]`

`Plot3D[sol2, {x, -10, 10}, {t, -5, 5}]`

Out[1]= $\left\{\left\{y[x, t] \to \frac{1}{2}\left(1 + 2 \cos\left[t - \frac{x}{2}\right] - \cos[x]\right)\right\}\right\}$

Out[3]= $\frac{1}{2}\left(1 + 2 \cos\left[t - \frac{x}{2}\right] - \cos[x]\right)$

Out[5]=