we could present the equation in the form :
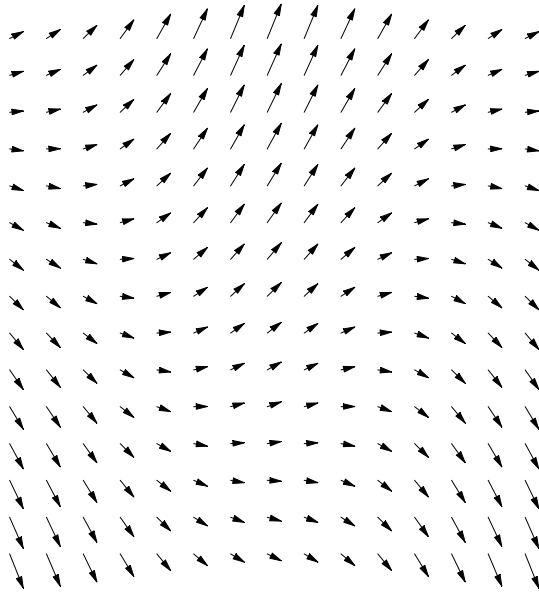   **dy / dx = (1 / 2) y + Cos[x]**
then a Mathematica notebook to draw the slopefield
could be :
   << Graphics`PlotField`

PlotVectorField[{1, (1 / 2) y + Cos[x]}, {x, -3, 3}, {y, -3, 3}, PlotJoined → True]

- Graphics **-**

another oportunity is :

<< Graphics`PlotField`
VectorPlot[{1, (1 / 2) y + Cos[x]}, {x, -3, 3}, {y, -3, 3}]