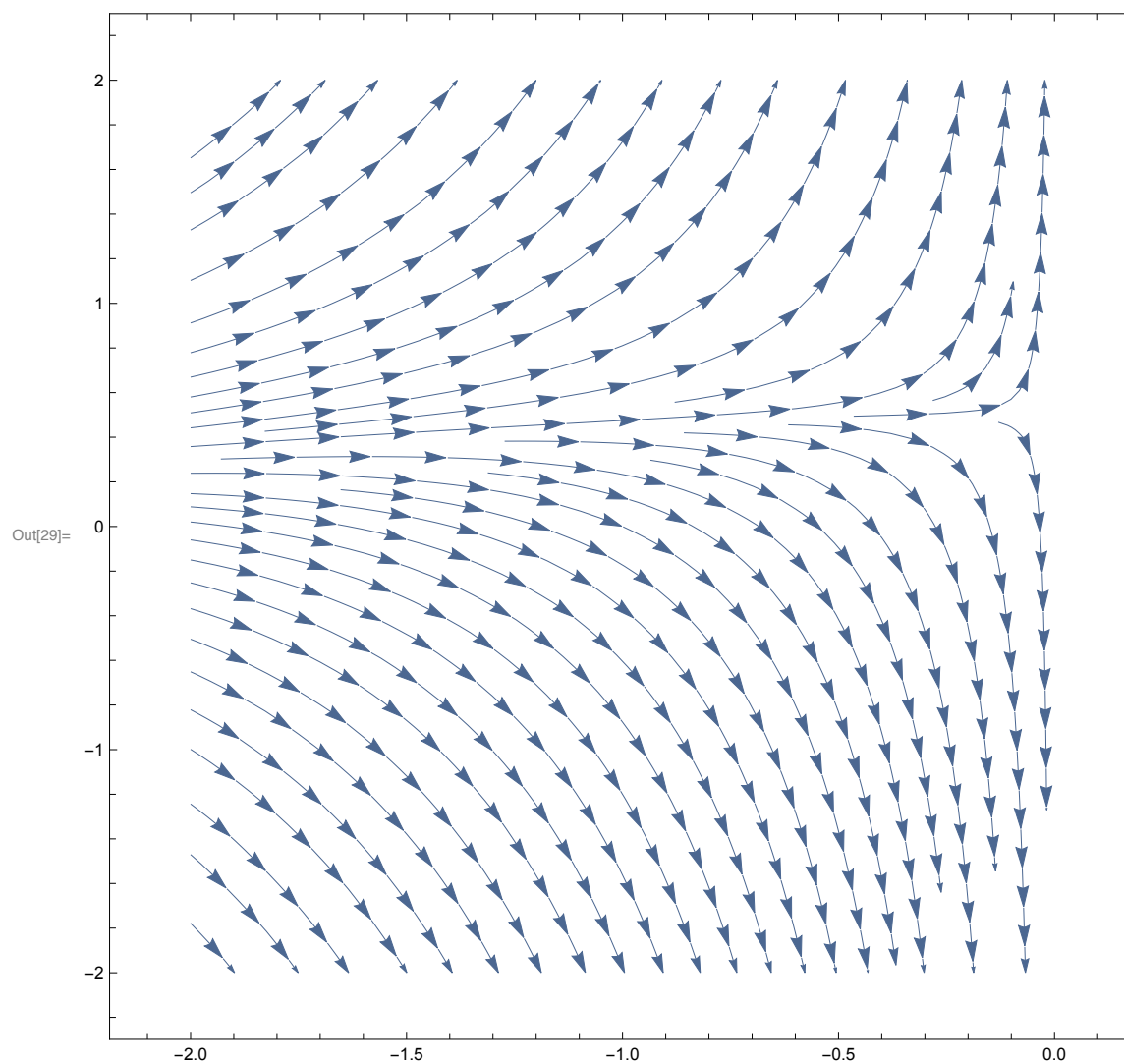


In[26]:= N[Pi/2]

Out[26]= 1.5708

StreamPlot[{1, Sin[t]/t^2 - 2 y/t}, {t, -2, 0}, {y, -2, 2}]



Description : This is the direction field of the equation  $(ty' + 2y = (\sin t)/t)$ , as can be witnessed, there are three directions. First, as to approaches from -2 to 0, if  $y$  approaches 2, the direction field comes toward up. If  $y$  approaches 0 as  $t$  comes toward from -2 to 0, the direction comes toward stable. Finally, as to approaches from -2 to 0,  $y$  comes toward -2, the direction fields comes toward down.