## Introduction to Scilab Funded by the National Mission on Education through ICT Indian Institute of Technology Bombay, Organised by FOSSEE Group, IIT Bombay, <a href="http://scilab.in">http://scilab.in</a>

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(The sequence of spoken tutorials to be listened/followed is same as that of exercise sets below.)

## **ODE Applications**

1. Consider the initial value problem (IVP)

 $y'(t) = t \sin (\pi y(t)),$ 

y(1) = 0.5

Use Scilab ODE function to find the solution at y(1.5) with n = 2.