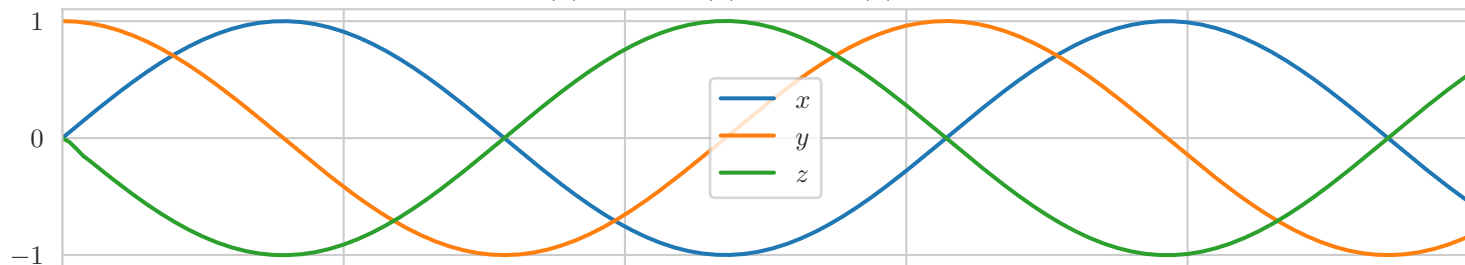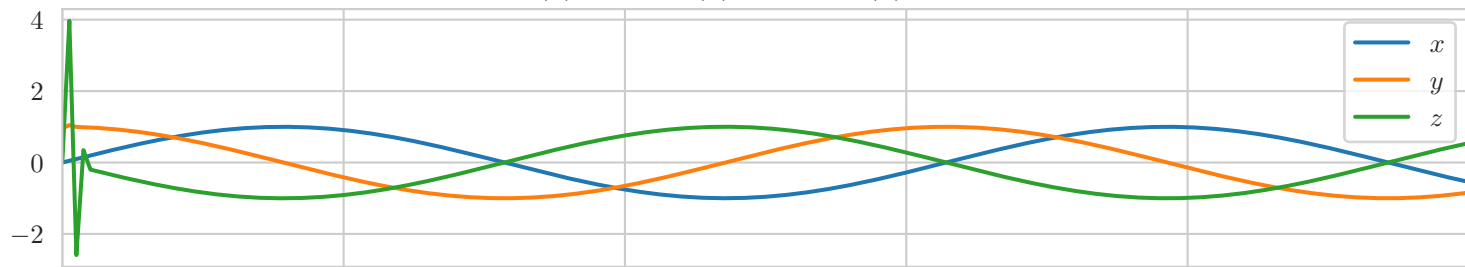Solutions to index-3 DAE system using BDF2

$x(0) = 0.0, y(0) = 1.0, z(0) = -0.0$

$x(0) = 0.0, y(0) = 0.95, z(0) = -0.0$

$x(0) = 0.05, y(0) = 1.0, z(0) = -0.0$

Time (s)