```matlab
clc
clear
close all

y0 = [-1;1;1];
tspan = 0:0.01:6;
[T,Y] = ode45(@ode,tspan,y0);

plot(T,Y);
legend('omegax', 'omegay', 'omegaz');

function dydx = ode(t,y0)
b = 1;
a = b;
c = 0;
dydx = [(c-a)*y0(2)*y0(3)/a;(a-c)*y0(1)*y0(3)/a;0];
end
```