**Problem:** Draw a graph of a solution of the Lorentz model. Lorentz model is defined by the following ordinary differential equation. The Lorentz equation is a system of ordinary differential equation for three unknown functions  $p_1(t), p_2(t), p_3(t)$  of the time t.

$$p'_{1} = -ap_{1} + ap_{2},$$
  

$$p'_{2} = -p_{1}p_{3} + bp_{1} - p_{2},$$
  

$$p'_{3} = p_{1}p_{2} + cp_{3}$$

Here, a,b,c are parameters given as floating point numbers.

## References