Figure 1: Comparision between y(t) at different step-size h

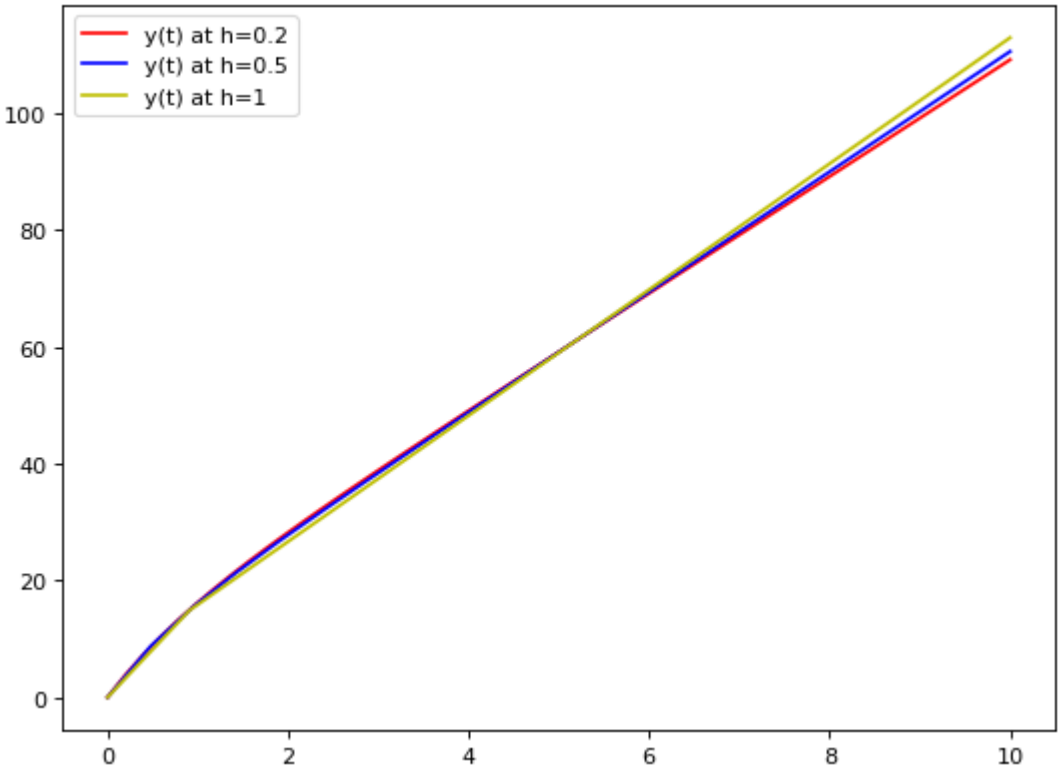
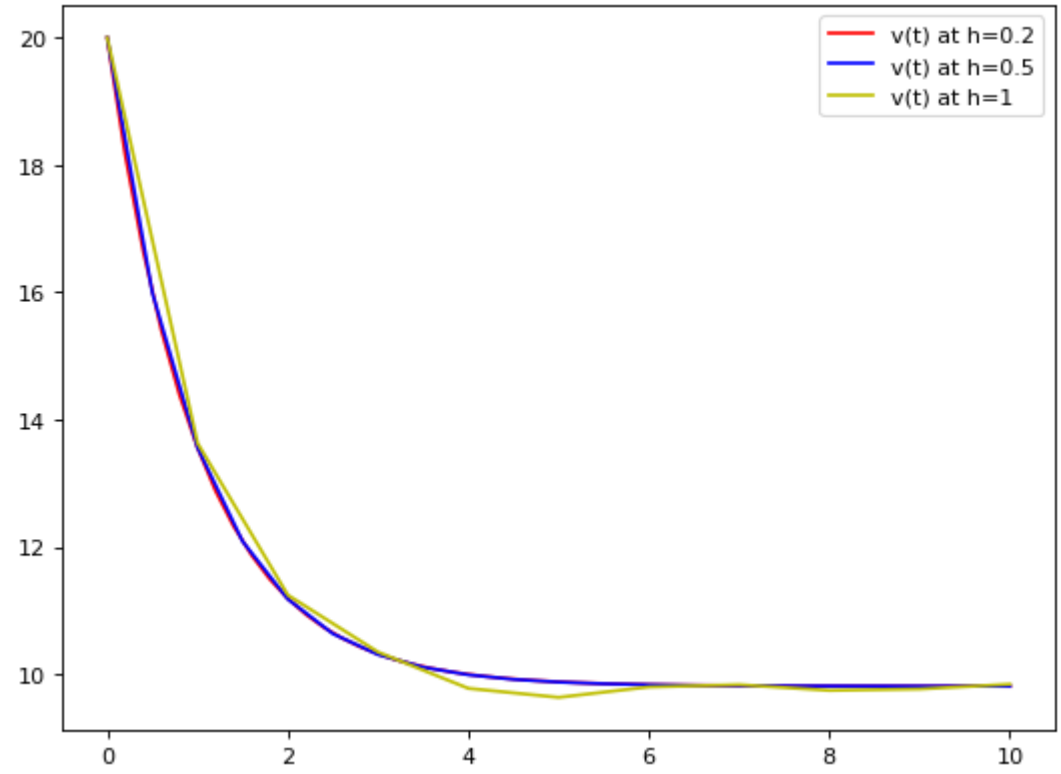


Figure 2: Comparision between v(t) at different step-size h



The plot comparison above shows the differences between all v(t) and between all y(t) using Predictor-Corrector method. In the first figure that represents y(t) at different h shows that all y(t) has some similarities and seem to unite somewhere near t = 0 and between t = 4 and t = 6. It also shows a significant difference when t = 0 and t = 10. In addition, all of the curves at the first figure looks smooth except at color yellow that is when h = 1. On the other hand, the second figure shows the differences and similarities between all values of v(t) at different value of step-size, h. The values of v(t) at different h seem to unit at t = 0, somewhere in between t = 6 and t = 8. It also shows a less significant similarites between t = 1 and t = 2. The above curves looks smooth except to color yellow that is when h = 1. As a conclusion, the authors observe that as the values of step-size h is getting smaller, the values of both y(t) and v(t) will be getting smoother. Having a step size that is equal to 1 would not be recommended.