

1 Paul's Online Notes

<https://tutorial.math.lamar.edu/Classes/DE/DE.aspx>

2 Differential Equations by Paul Blanchard, Robert Devaney, Glen Hall

[Unlimited Growth](#)

[Logistic Population Models](#)

[Predator-Prey System](#)

[The SIR Model of an epidemic](#)

3 The SIR Model for Spread of Disease

<https://www.maa.org/press/periodicals/loci/joma/the-sir-model-for-spread-of-disease-the-differential-equation-model>

4 COVID-19 Futures, Explained with Simulations

<https://ncase.me/covid-19/>

5 How Outbreaks Like Coronavirus Spread Exponentially, and How To "Flatten the Curve"

<https://www.washingtonpost.com/graphics/2020/world/corona-simulator/>

6 Modeling Exponential Growth

<https://www.youtube.com/watch?v=Kas0tIxDvrg>

7 Modeling COVID-19 with Differential Equations