

Assignment 02 Summary

- Plot 1A on page 1.3 shows the graphs for 1a, 1d for the first-order transfer function model of the dynamic loads for the signal given in 1a.
- Plot 1B on page 1.4 shows the graphs for 1a, 1d for the first-order transfer function model of the dynamic loads for the signal given in 1c.
- Plot 1C on page 1.5 shows the graphs for 1b, 1d for the second-order transfer function model of the dynamic loads for the signal given in 1a.
- Plot 1D on page 1.6 shows the graphs for 1b, 1d for the second-order transfer function model of the dynamic loads for the signal given in 1c.
- Note: Since the static load curve for 1a and 1d is virtually numerically equal for the given set of load voltages (refer to the curves plotted in Desmos 1), their curve $P_{Li}^{static}(t)$ and $P_{Li}(t)$ has only been plotted once in all the graphs.

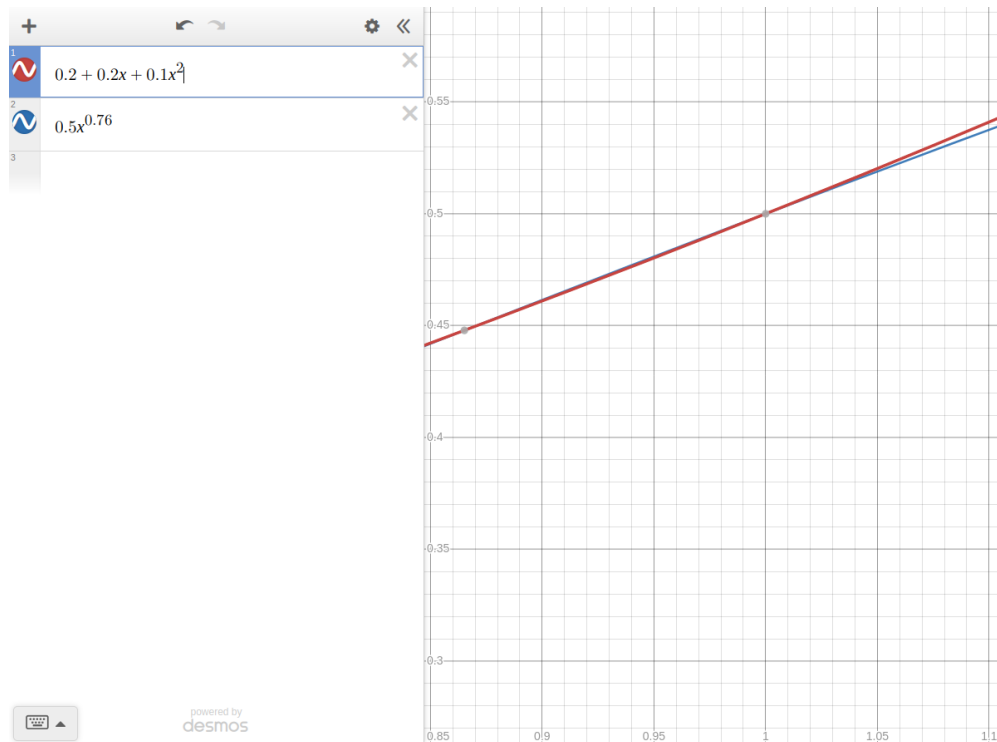


Figure 1: Comparison of the two static load curves for relevant load voltages.