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Investigating cosmological parameters using `CosmoEJS`, an interactive package of cosmology Java simulations[1] JACOB MOLDENHAUER, FRANCIS CAVANNA, WILLIAM O'TOOLE, WILLIAM ZIMMERMAN, University of Dallas — There is a recent influx of cosmological observations which appear to suggest that the universe's expansion is accelerating. Several theories offer an explanation for this observed phenomenon. It is important to know the impact of changing certain cosmological parameters of a particular model has on matching a particular data set. `CosmoEJS` is an interactive `Java` package of simulations that allow the user to explore the ramifications of choosing various values for the cosmological parameters of a particular model. The simulations include different classes of models and observations of both expansion and growth history of the universe. After exploring the fitting of different models, the user can then see these models evolve in time.

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