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Augmenting Computational Research Tools in Observational Cosmology KEENAN STONE, JACOB MOLDENHAUER, LARRY ENGELHARDT, Francis Marion University — We present progress toward creating functional programs for data analysis to be used by cosmology researchers. Using Easy Java Simulations (EJS) to rewrite older code used in cosmology research, such as studying light intensity plots of supernovae (J. Moldenhauer & L. Engelhardt (2011)), should prove most beneficial since many computational research tools pertinent to the field are written in FORTRAN, which while useful in terms of computational speed can be limiting in terms of functionality and simplicity to the user.

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