

## SAMPLE ZAMS

This test case is to make sure that new versions of MESA can still load a few different mass ZAMS models. The file `inlist_zams_specification` contains just three controls: `sample_zams_mlo = 0` sets the log of the lower mass limit, `sample_zams_mhi = 1` sets the log of the upper mass limit, and `sample_zams_dmass = 0.5` sets the difference in  $\log(\text{mass})$  between models loaded. Therefore, as is, the test case will load three ZAMS models:  $1.0M_{\odot}$ ,  $3.16M_{\odot}$ , and  $10.0M_{\odot}$ . After loading the models, it will print the mass, luminosity, radius, nuclear timescale, effective temperature, center density, center temperature, and center pressure for each model. If each one is loaded without any problems, the terminal output at the end should read `‘‘finished sample_zams’’`.