

NON LINEAR STABILITY ANALYSIS OF WOLF-RAYET STARS

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Numerical simulations of the evolution of strange-mode instabilities into the non-linear regime have been performed for a wide range of stellar parameters for Wolf-Rayet stars. It has been shown that the Wolf-Rayet models reach radial velocities which amount up to 30% of their escape velocity. The acoustic luminosities suggest a connection to the observed mass loss. Most of the models show a *jump* in the mean effective temperature after reaching the non-linear regime. This *jump* is related to the run of the opacity.