

THE METALLICITY DEPENDENCE OF WOLF-RAYET MASS LOSS

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Using a modified CAK approach, I will model the metallicity dependence of Wolf-Rayet (WR) mass-loss for WN- and WC-type stars. This analytic approach complements detailed radiative transfer and radiation hydrodynamics simulations, which have made great strides in predicting the behavior of WR winds, but can be difficult to understand conceptually due to their complexity. I will also compare the results from different sets of opacity data (LANL, Opacity Project, and Kurucz) to show how the details of a line list can affect the results.