

The Yonsei-Yale Isochrones: The public release

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We present a new set of isochrones in which the effect of the alpha element enhancement is fully incorporated. The range of chemical compositions covered is $0.00001 < Z < 0.1$. The age range of the full isochrone set is 0.1-20Gyr, while younger isochrones of age 1-80Myr are also presented up to the main sequence turn-off. Using the interpolation routine we provide, users can generate isochrones for arbitrary values of age, metallicity, and alpha enhancement. The isochrone tables, together with the interpolation program, are available via internet:
<http://csaweb.yonsei.ac.kr/~kim/yyiso.html> .