

1133-06-32

Jean S. Joseph* (jjose107@fau.edu). *Completion of a Linearly Ordered Set.*

We will present properties that characterize a completion of an arbitrary linearly ordered set and will construct a completion of any linearly ordered set which has these properties. We then will show that any two completions of a linearly ordered set are order isomorphic. Our approach is constructive. (Received June 06, 2017)