



COMPLETE FIELDS

Why

We want the a field which corresponds to points on the real line.¹

Definition

An ordered field² is *complete* if every nonempty subset bounded from above has a least upper bound.

¹Future editions are likely to modify this why.

²To be defined in future editions, but we take the usual definition of a field with an order. See, for example *Rational Order* or *Real Order*).

