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## Wedderburn's theorem

Canonical name WedderburnsTheorem
Date of creation 2013-03-22 13:03:56
Last modified on 2013-03-22 13:03:56

Owner yark (2760) Last modified by yark (2760)

Numerical id 10

Author yark (2760) Entry type Theorem Classification msc 12E15

Synonym Wedderburn theorem

Related topic NonZeroDivisorsOfFiniteRing

Related topic JosephWedderburn

A finite division ring is a field.

One of the many consequences of this theorem is that for a finite projective plane, Desargues' theorem implies Pappus' theorem.