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Field Properties of Complex Numbers — Requirements

Library Committee
Association of Mizar Users

Summary. This file contains statements which are obvious for Mizar checker if "requirements ARITHM" is included in the environment description of an article. They are published for testing purposes only. Users should use appropriate requirements instead of referencing to these theorems. Some of these items need also other requirements for proper work.

MML Identifier: ARITHM.

WWW: http://mizar.org/JFM/Vol-3/arithm.html

In this paper x denotes a complex number.
We now state several propositions:

(1) $x+0=x$.

(2) $x\cdot 0=0$.

(3) $1\cdot x=x$.

(4) $x-0=x$.

(5) $\frac{0}{x}=0$.

(6) $\frac{x}{1}=x$.

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