

algebra with $Z[x]/\langle x^2+1 \rangle$.

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hello sir~

$Z[x]/\langle x^2+1 \rangle$

is this a field ?

i think... $\langle x^2+1 \rangle$ is irreducible, it is maximal.
so, $Z[x]/\langle x^2+1 \rangle$ is field.

my thinking is right ??

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