

Re: $R[X,Y]$ polynomial ring

Source: <http://sci.tech--archive.net/Archive/sci.math/2005-05/msg04458.html>

- *From:* magidin@xxxxxxxxxxxxxxxxxxxx (Arturo Magidin)
 - *Date:* Tue, 24 May 2005 18:27:05 +0000 (UTC)
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In article <d6vrg1\$ido\$1@xxxxxxxxxxxxxxxxxxxx>, Mike <Mike_jones@xxxxxxxx> wrote:
>ah i see, a quick query
>the ideal
>reals $-R[X][1+X^2]$ what does this ideal look like?

Huh?

Do you mean, $R[X](1+X^2)$? I.e., all multiples of $1+X^2$?

It looks like all multiples of $1+X^2$. They are exactly the polynomials of $R[X]$ which have the complex number i as a root.

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"It's not denial. I'm just very selective about
what I accept as reality."
---- Calvin ("Calvin and Hobbes")
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