

Re: quadratic residues confusion

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- *From:* David C. Ullrich <ullrich@xxxxxxxxxxxxxxxxxxxx>
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On 23 Apr 2006 01:40:14 -0700, "perltcl@xxxxxxxxxx" <perltcl@xxxxxxxxxx> wrote:

hi

I read in this group, quadratic residues are fully multiplicative,

That doesn't make much sense – you mean that you read that Legendre symbols are completely multiplicative.

see

http://groups.google.com/group/comp.soft-sys.math.maple/browse_thread/thread/5a47330e108d158b/13bfa08

but since Legendre symbols have values $\{1, -1\}$
does that mean if I have $(-1)*(-1)=1$ ==>> two non-residues multiplied together to get a residue?
strange

Why is it strange for the product of two non-squares to be a square?
Think about the integers. Is 2 a square? How about 2 times 2?

David C. Ullrich

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