

Re: Spinors, topology & orientation

Source: <http://sci.tech-archive.net/Archive/sci.math/2004-06/6907.html>

From: Christopher J. Henrich (chenrich_at_monmouth.com)

Date: 06/30/04

Date: Wed, 30 Jun 2004 01:51:53 GMT

In article <40e1ac8d\$1\$fuzhry+tra\$mr2ice@news.patriot.net>, Seymour J. <spamtrap@library.lspace.org.invalid> wrote:

> In <260620042219263928%chenrich@monmouth.com>, on 06/27/2004
> at 02:19 AM, "Christopher J. Henrich" <chenrich@monmouth.com> said:
>
> >The better class of books about "group theory and quantum mechanics"
> >are likely to cover this topic in a little more detail. Wigner,
> >"Group Theory and Applications to Quantum Mechanics" will be in
> >universilty libraries, though it seems to be out of print.
>
> Isn't that available from Dover?

No, sad to say, it doesn't seem to be. A quick visit to Dover's web site shows me that Weyl's tough but valuable book on group theory and QM is in print, and so is a reprint of *The Mathematical Foundations of Quantum Mechanics* by George W. Mackey, my mentor. Also a book by Volker Heine, which I don't know.

Weyl is good, if you are willing to take the time to study and ponder. It is NOT easy, and is slightly old-fashioned in style. Mackey's notes are excellent for a mathematician, but I am not sure they are right for the OP's concerns; and this book does not contain much of the group theory.

--

Chris Henrich