

**Errata for *An Introduction to Tensors and Group Theory*
for *Physicists*, 2nd edition by Nadir Jeevanjee**

- Pg. xiii** In the description of the composition maps, the order of f and g needs to be reversed everywhere.
- Pg. 14** “What does remain to be checked ...” It must also be checked that $H_n(\mathbb{C})$ is closed under scalar multiplication, which is the subject of Box 2.2.
- Pg. 20** Exercise 2.7, 2nd line, should read “ $M_2(\mathbb{C})$ ”, not “ $M_n(\mathbb{C})$ ”.
- Pg. 47** Exercise 2.4, last equation is missing a “ ϕ ” in the exponent on the left-hand side.
- Pg. 83** Example 3.21, total spin squared operator should be $\mathbf{S}^2 \equiv \sum_{j=1}^3 S_j S_j$.
- Pg. 96** “... orientation-changing transformations ...” should read “... orientation-changing orthogonal transformations ... ”
- Pg. 141** In Exercise 4.22, it is not all timelike vectors which are fixed by rotations, but rather just the ones proportional to $(0, 0, 0, 1)$, i.e. vectors pointing along the time axis.
- Pg. 156** The task here is to show that these are *real* vector spaces, which are closed under *real* scalar multiplication.
- Pg. 213** Right hand side of 2nd equality should have a “[f]^T” rather than a “[f]”.
- Pg. 278** In Proposition 6.3, the hypothesis of inequivalence of W_1 and W_2 does not appear to be necessary.



<http://www.springer.com/978-3-319-14793-2>

An Introduction to Tensors and Group Theory for
Physicists

Jeevanjee, N.

2015, XVI, 305 p. 23 illus., Hardcover

ISBN: 978-3-319-14793-2

A product of Birkhäuser Basel