

Errata for *An Introduction to Tensors and Group Theory for Physicists* by Nadir Jeevanjee

Pg. 6 The third equality in the unnumbered equation array below the second paragraph should read

$$= \hat{\mathbf{x}} \cdot (R_{xx}\hat{\mathbf{x}} + R_{yx}\hat{\mathbf{y}} + R_{zx}\hat{\mathbf{z}})$$

i.e. the indices in the subscripts should be transposed

Pg. 6 Equation (1.12) should read

$$(R_T(v))_x \equiv T(\hat{\mathbf{x}}, v)$$

Pg. 45 The caption to figure 3.2 should read “The standard basis \mathcal{B} and a new one \mathcal{B}' obtained by rotation through an angle ϕ ”.

Pg. 60 Equation (3.62) should read

$$[F_{(2,0)}] = \begin{pmatrix} 0 & -B_z & B_y & -E_x \\ B_z & 0 & -B_x & -E_y \\ -B_y & B_x & 0 & -E_z \\ E_x & E_y & E_z & 0 \end{pmatrix}.$$

Pg. 166 In equation (5.45) the “ i ” should be a “ $-i$ ”

Pg. 178 In the fourth paragraph, it should read “...or see it as a corollary of the discussion above Example 5.15”

Pg. 220 The last line of the proof should read “... and the definitions $A_k = \mathbf{A}(v_k)$, $B_k = \mathbf{B}(v_k)$ ”