

ERRATA FOR “THE OCTONIONS”

The octonions, by John C. Baez, Bull. Amer. Math. Soc. (N.S.) **39** (2002), 145–205.

- Page 146 — Though Kelvin argued against the use of quaternions, he did not favor vectors either.
- Page 171 — In fact $\pi_3(\mathrm{O}(4)) \cong \mathbb{Z} \oplus \mathbb{Z}$, so $[f_{\mathbb{H}}]$ does not generate this group, but it does map to a generator of $\pi_3(\mathrm{O}(\infty)) \cong \mathbb{Z}$.
- Page 171 — In fact $\pi_7(\mathrm{O}(8)) \cong \mathbb{Z} \oplus \mathbb{Z}$, so $[f_{\mathbb{O}}]$ does not generate this group, but it does map to a generator of $\pi_7(\mathrm{O}(\infty)) \cong \mathbb{Z}$.
- Page 172 — In fact $\pi_7(S^4) \cong \mathbb{Z} \oplus \mathbb{Z}/12$, so $[p_{\mathbb{H}}]$ does not generate this group, but it does generate the \mathbb{Z} summand.
- Page 172 — In fact $\pi_{15}(S^8) \cong \mathbb{Z} \oplus \mathbb{Z}/120$, so $[p_{\mathbb{O}}]$ does not generate this group, but it does generate the \mathbb{Z} summand.
- Page 173 — ‘Any real vector E ’ should read ‘Any real vector bundle E ’.
- Page 182 — ‘unique trilinear form’ should read ‘unique symmetric trilinear form’.
- Page 200 — There is an extra $]$ in the Jacobi identity.
- Page 203 — In reference [51] the correct title of the book is *The Mathematical Papers of Sir William Rowan Hamilton*.

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