

Fractional Skyrmions

Friday, 12 August 2022 11:50 (40 minutes)

We study Skrymion like configurations in the coset space $SO(8)/SU(3)$. $\pi_3(SO(8)/SU(3))=\mathbb{Z}_3$, hence the Skyrmions have a sort of triality. We establish the existence of the Skyrmions and give some explicit configurations. We speculate as to their physical import.

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