

Anisotropic monopole and the Euler-Hirzebruch-Yalei motion

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Abstract

We study the strength of the monopole and the Euler-Hirzebruch-Yalei (EH) motion of the Kähler-Kondratiev type in the presence of an external source of energy and a change of direction. For a constant external source of energy the monopole can be strong enough, but the EH motion is dominant in the presence of a change of direction. To test the proposed model, we solve the anisotropic monopole problem using a simple model with a magnetic field. We find that the anisotropic monopole can be strong enough, but it is dominant in the presence of a change of direction. We also discuss some analogues of EH monopoles.