

Abstract Submitted  
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**Tutorial Device Illustrating A Spin One-Half Object** VLADISLAV BEVC, Synergy Institute, P.O. Box 561, San Ramon, California 94583 — Hawkins (The Universe in a Nutshell) illustrates a spin 1 and a spin 2 object with the ace of spades and queen of spades playing cards. Rotation by 360 and 180 degrees respectively reproduce the original appearance of these two objects. A spin 1/2 object requires a rotation of 720 degrees to reproduce the original appearance. Apart from a Moebius band such object can be constructed. However, it differs from the above mentioned playing cards by the fact that it has an internal mechanism operating on the original picture. It is thus somewhat different than the original two illustrations.

Vladislav Bevc  
Vladislav Bevc, Synergy Institute

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