

Vibration Theory
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Knowledge Test - Answers

1. The absolute acceleration consists of the relative acceleration and the coriolis-acceleration.
2. After leaving the diving platform there are no outside moments and therefore the spin vector remains constant in size and direction (spin preservation).
3. The inertia of the solid cylinder is lower than that of the hollow cylinder.
4. The rate in circumferential direction is constant during the flight, thus the stone remains in relation to the perpendicular direction.
5. The low natural frequency leads to oscillations in the same direction, the higher natural frequency leads to opposite oscillations.