Accelerating and rotating reference frames

GRE Subject Test · GRE Physics · Vocabulary in context

Word	Example
apparent forces	A rotating frame adds **apparent forces**.
Coriolis force /ˌkɒrɪˈəʊlɪz fɔːs/	The **Coriolis force** reverses when the relative velocity reverses.
centrifugal /ˌsentrɪˈfjuːgl/	In a rotating frame, the **centrifugal** force points outward.
rotating frame /rəʊˈteɪtɪŋ freɪm/	Include the apparent forces when using a **rotating frame**.
inertial frame /ɪˈnɜːʃl freɪm/	In an **inertial frame**, Newton's laws hold without extra forces.
Euler force	The **Euler force** appears when the rotation speed changes.

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