

Whatsapp/ Telegram/ SignalApp: 08131667008

[PHY201] A force that can be derived from a potential energy $V(r)$ that only depends on the distance to the source is called ____
Central

[PHY201] Undisturbed orbital motion under the influence of a central force satisfies
Kepler's laws

[PHY201] Irrational central force, its curl is
zero

[PHY201] The work of a conservative force can always be represented by
Potential energy function

[PHY201] If the particle moves under the influence of a central force, the angular momentum is
Conserved

[PHY201] All of the following is an example of a central force except ____
Repulsive force

[PHY201] A central force is a conservative field, that is, it can always be expressed as
Negative gradient of potential

[PHY201] If the central force attracts a material particle, the path of the particle is a
curve
Concave

[PHY201] An essential feature of a conservative force is that its work is
Always path independent

[PHY201] If the central force repels the particle, its orbit is
Convex

Email: bbcoun@gmail.com
Whatsapp/ Telegram/ SignalApp: 08131667008

Whatsapp: 08089722160 or click here for TMA assistance

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