

المادة: رياضيات تطبيقية (أ)

(ب)-ديناميكا تحليلية

الفرقة: الثالثة-تعليم مميز



كفر الشيخ

كلية التربية

قسم الرياضيات

Rite on one of the following object

- (1) The free and constrained systems, Holonomic and non-holonomic system, the motion of a rigid body passing an axis of symmetry rotating about a fixed point in space and in the rigid body itself.
- (2) Stationary and non-stationary system, virtual and real displacements, the motion of a rigid body rotating about its centroid G as a fixed point in space and in the rigid body itself.
- (3) The free and constrained systems , Stationary and non-stationary system, the LaGrange equations for the motion of a holonomic system of n generalized coordinates with some of examples
- (4) Eulerian angles, Holonomic and non-holonomic system, the motion of a rigid body rotating about a fixed point O under the action of its weight (mg).
- (5) Holonomic and non-holonomic system, thee generalized coordinates, the virtual work and generalized forces acceleration, the motion of a rigid body passing an axis of symmetry rotating about a fixed point in space and in the rigid body itself
- (6) Eulerian angles, then give some of examples that shows how to use it in the Solution, The free and constrained systems , virtual and real displacements.
- (7) The free and constrained systems, virtual and real displacements, the LaGrange equations for the motion of a holonomic system of n generalized coordinates with some of examples
- (8) Eulerian angles, virtual and real displacements, thee generalized coordinates, the motion of a rigid body rotating about a fixed point O under the action of its weight (mg).
- (9) Eulerian angles, Holonomic and non-holonomic system,, the motion of a rigid body rotating about its centroid G as a fixed point in space and in the rigid body itself

مع خالص تمنياتي لكم بالتوفيق والنجاح

