



## 04. Principles of robotics. Programming a da Vinci surgical robot in simulated environment.

### Lecture

#### Warning

**Test 1** (ROS principles, publisher, subscriber. Python principles. Principles of robotics.) **October 25.**

### Rigid body motion



#### Def. Rigid body

A rigid body is defined as a body on which the distance between two points remains constant in time regardless of the force applied on it.

- Shape and the volume of the rigid bodies are also constant.
- The **pose** of a rigid body can be given by the three coordinates of three of its points that do not lie on the same straight line.