

Not lost in Translation.

Kinematics: Demonstrations.



Included Videos + gif 1.

This screenshot comes from a video 1 of 6 which shows an object to go from the position instant t_1 to its position at the instant t_2 .

In kinematics, the trajectory of the solid is not necessarily rectilinear, and can be curvilinear.

The circular movement makes it possible to bring a subject (object, person) from one point to another while maintaining its orientation.

H.Poincaré articulates his thinking as follows: A Galilean frame of reference is defined as a Cartesian frame of reference, of the supposedly affine space, in which the movement of any body not influenced by a force is uniform rectilinear: one must know what a force is before setting this definition.

A force can only be measured - therefore defined - by the fact that it makes the movement non-rectilinear-uniform.

Finally, Henri Poincaré insists: mechanics is an experimental science where the nature of the concepts used matters little, only the fact that these concepts are convenient from the point of view of their mathematical formulation, that they are measurable and make it possible to predict. results of renewed experiments.

(Extract)

+ Gif tumblr.co/Z_2vpTZol3qK8W00

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