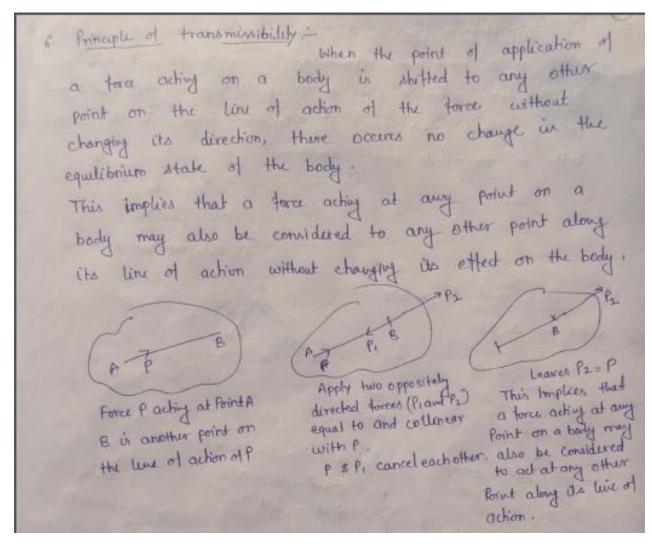
Principle of Transmissibility



§1.7 PRINCIPLE OF TRANSMISSIBILITY

This principle states as follows:

The condition of equilibrium or motion of a rigid body will not be changed if a force acting on the body at a certain point is replaced by a force of the same magnitude and same direction but applied at a different point, provided the two forces act along the same straight line.

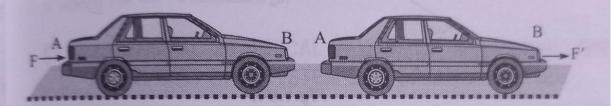


Fig. 1.18.

The force F at A on the car shown in Fig. 1.18 can be replaced by an equal force F' at B without disturbing the state of motion of the car if F' = F.