

The proposed tank simulator is designed for training operator-drivers of tanks and other armored fighting machines. The simulator contains a cabin, a spherical joint for the cabin, a platform with longitudinal displacement, a platform with lateral displacement, and electric drives for the platforms. The cabin is installed at the mounting plate of the spherical joint. The mounting plate is linked via transfer mechanisms with electric drives for tilting the cabin relative to the horizontal plane. The electric drives with transfer mechanisms are installed on a spring-loaded supporting structure coupled with the said platforms. The proposed simulator provides the possibility to train tank operator-drivers when simulating the tank movement under different conditions, for example in movement with right and left turns, in overcoming obstacles such as a tank ditch, escarpment, and counterscarp.