Dodge the Rock – A Hand Gesture Recognition Based Interactive Game

Overview

Dodge the Rock is a flight simulator game. Users use certain hand gestures to control the flight. The main goal of the game is to survive the incoming rocks. The flight has the ability to move freely, tilt left and right, and fire back at the rocks. It can also launch bombs that will destroy every rock on the screen, but can only be used three times for one life. The score increases while the flight is on the screen, and bonus point is awarded for destroying the rocks. The flight can be hit by the rock at most six times before it crashes. We have five different gestures as follows.

Instructions

Move your hand in any directions to control the movement of the flight.

Tilt your hand left or right to tilt the flight. The rocks will shift in the opposite direction.

Stretch out your thumb to fire missiles at the rocks.

Flip your palm to launch the bomb.

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