

ABSTRACT

The present invention discloses a yo-yo ball with friction motion energy storage and acceleration functions, comprising two rotating bodies and a connecting shaft, where either of the rotating bodies includes a disk body and a side cover, either of the disk bodies is internally provided with a friction motion energy storage mechanism, one end of which is connected to the disk body and the other end is connected to the side cover, by pinching the side cover, the disk bodies are in contact with an external contact surface to realize energy storage for the friction motion energy storage mechanism by means of friction rolling. After the energy storage, the disk bodies are out of contact with the external contact surface, and the friction motion energy storage mechanism releases the energy to drive the disk bodies to synchronously rotate, at the moment, the side cover is released to realize rotation of the whole yo-yo ball, so that the ball body can rotate at high speed after being thrown even though a rope is too short, which is not affected by an acceleration region after the ball body is thrown down. Therefore, even though a player who is shorter may enjoy playing with the yo-yo ball to the fullest, and complete various fancy moves. Requirements of players at different ages and different heights can be met. Compared with an existing yo-yo ball, the yo-yo ball with friction motion energy storage and acceleration functions increases a new operation mode and a new playing method, is more fun, and more diversified in playing methods.