

# KATCHUP

## "Lightweight Lecture Catch Up System for Latecomers"

**KATCHUP**  
Session Id: -MNKmCccFyl-1FXDwZ / Nickname: Diffcult Dingo

3. Theory of Relativity

### Theory of Relativity

- Space and time are interwoven, known as "space-time"
- General and Special Relativity
  - Transformed from Galilean (Classical) to Lorentz transformations

Theory of Relativity explained in 7 mins

Activity    i    + Exclusive Material    Notice    Q&A

FLAG



Real-time, Peer-generated Timeline

19:24

CHATROOM    CATCHUP

Activity

1 Newton's Law of Gravitation

### Newton's Law of Universal Gravitation

- Newton's Second Law of Motion
  - Force
  - Acceleration
  - Gravity is a force upon an object
- Newton hypothesized that the force of gravitational attraction between two objects is inversely proportional to the distance separating the centers
 
$$F_1 = F_2 = F_{grav} = \frac{G(M_1 + M_2)}{r^2}$$

Flagged at 2:16

Q. What did I miss here?

A. The professor checked attendance.

Answer the question here.

Answer

What did I miss here?

Context-based Q&A Board



Catch Up, with KatchUp!