Greg's AP Live videos 2020

The 2017 exam problem 3, QQT – disk collides with rod
https://www.youtube.com/watch?v=RvF0bb6XYIk

The 2016 exam problem 3, QQT, The Bumpy Track
https://www.youtube.com/watch?v=n8sMqiERIlM

Rotational Kinematics
https://youtu.be/ixsIR0yKytA

Kinematics and the Definition of Acceleration
https://www.youtube.com/watch?v=qDs7NTx4NR0

Conservation of Angular Momentum
https://www.youtube.com/watch?v=zwx9SWPhH6M

The 2019 Exam — Problem 3, Experiment - Spring Constant of a Projectile Launcher
https://www.youtube.com/watch?v=ei3h1XYGlYM

Problem solving with Energy
https://www.youtube.com/watch?v=wlwcziTP3c0

Energy Bar Charts
https://www.youtube.com/watch?v=qBGnzg_77oA

The 2019 exam problem 2, modified atwood
https://www.youtube.com/watch?v=0uhEr6eMzy8

The 2017 exam problem 2, experiment – Static friction coefficient.
https://www.youtube.com/watch?v=tt6b1_TYmtI

The 2018 exam problem 5, paragraph – inelastic collision and spring
https://www.youtube.com/watch?v=hY5wG85hdQs

The 2018 exam problem 3 QQT, variable frictional torque
https://www.youtube.com/watch?v=X6TrWG6se6g

The 2021 exam problem 4, sliding and rolling down an incline
Simulation*: https://computercow.altervista.org/SoME1/justsim.html
Video: https://www.youtube.com/watch?v=jQa54mtU3JY&t=633s

**Simulation by Milo Jacobs. The simulation is referenced in the video.*

Torque in Equilibrium
https://youtu.be/c1EX4KOBBic

Experimental Design: Torque in Equilibrium
https://youtu.be/slEIJ30bVvI

Rotation - Newton's Second Law
https://youtu.be/VX8SeUXCUbk

Connecting Angular and Linear Speed
https://youtu.be/CZV2x1c9Aq8

Rotational Kinetic Energy
https://youtu.be/srCMQyhZrC0

Conservation of Angular Momentum
https://youtu.be/zwx9SWPhH6M

Forces in Equilibrium
https://youtu.be/fAwOkXMZUJU

Two body problems
https://www.youtube.com/watch?v=4hZOhBsDwCU

The ones below are by Josh

The 2017 exam problem 4, Ball Sliding on Two Differently-Shaped ramps
https://www.youtube.com/watch?v=xgRtO7owzN4

Simple Harmonic Motion
https://www.youtube.com/watch?v=G79UqC27N44

The 2019 exam problem 1, v-t graph of the center of mass
https://www.youtube.com/watch?v=xZaMHg1hP_A

Circular orbits
https://www.youtube.com/watch?v=ugAcd8JExNo

Gravitational Field and force; inertial and gravitational mass
https://www.youtube.com/watch?v=0fYAeIQUr10

Circular motion
https://www.youtube.com/watch?v=nIZvNrE1dS8

Conservation of Linear momentum
https://www.youtube.com/watch?v=vwYIHypDUqE

Projectile motion
https://www.youtube.com/watch?v=Ty8q8lFrPX0

Connecting angular and linear speed
https://www.youtube.com/watch?v=CZV2x1c9Aq8

The 2018 exam problem 1 – circular orbits
https://www.youtube.com/watch?v=ugAcd8JExNo

Gravitation and orbits
https://www.youtube.com/watch?v=MvBdGa3Am9U

Rotational kinetic energy
https://www.youtube.com/watch?v=srCMQyhZrC0

Torque in equilibrium
https://www.youtube.com/watch?v=c1EX4KOBBic