

物理実験映像大全 DVD 初学者向け4枚組<普及版> 構成内容

DISC ONE

CHAPTER 1 MEASUREMENT

DEMO 01-01 BASIC UNITS

CHAPTER 2 FORCE, WORK, ENERGY

- DEMO 01-02 AIR TRACK FRICTION
- DEMO 01-03 STATIC VS. SLIDING FRICTION
- DEMO 01-04 WEIGHT DEPENDENCE OF FRICTION
- DEMO 01-05 SURFACE DEPENDENCE OF FRICTION
- DEMO 01-06 ENERGY WELL TRACK
- DEMO 01-07 GALILEO'S PENDULUM
- DEMO 01-08 BOWLING BALL PENDULUM
- DEMO 01-09 TRIPLE TRACK
- DEMO 01-10 CLOWN ON ROPE
- DEMO 01-11 SIMPLE MACHINES
- DEMO 01-12 PULLEY ADVANTAGE
- DEMO 01-13 LEVERS
- DEMO 01-14 HINGE BOARD
- DEMO 01-15 ARM MODEL

CHAPTER 3 FLUIDS

- DEMO 01-16 MAGDEBURG HEMISPHERES
- DEMO 01-17 BARREL CRUSH
- DEMO 01-18 CURVE BALLS
- DEMO 01-19 ARCHIMEDES' PRINCIPLE
- DEMO 01-20 BUOYANT FORCE
- DEMO 01-21 DIFFERENT DENSITY WOOD
- DEMO 01-22 BUOYANCY IN VARIOUS LIQUIDS
- DEMO 01-23 HELIUM BALLOON IN GLASS JAR
- DEMO 01-24 HELIUM BALLOON IN LIQUID NITROGEN
- DEMO 01-25 CARTESIAN DIVER
- DEMO 01-26 WEIGHT OF AIR
- DEMO 01-27 MERCURY BAROMETER IN VACUUM
- DEMO 01-28 SURFACE TENSION DISC

DISC TWO

CHAPTER 4 THERMAL PHENOMENA

- DEMO 02-01 THERMAL CONDUCTIVITY
- DEMO 02-02 TWO CAN RADIATION
- DEMO 02-03 PIN BREAKER
- DEMO 02-04 DRILL AND DOWEL
- DEMO 02-05 HOT DOG FRYING
- DEMO 02-06 CONVECTION CURRENTS
- DEMO 02-07 CANDLE IN DROPPED JAR
- DEMO 02-08 SUBLIMATION OF CO₂

CHAPTER 5 MOTION

- DEMO 02-09 CONSTANT VELOCITY
- DEMO 02-10 BULLDOZER ON MOVING SHEET
- DEMO 02-11 ROLLING BALL INCLINE
- DEMO 02-12 GUINEA AND FEATHER
- DEMO 02-13 SHOOTER/DROPPER
- DEMO 02-14 MONKEY GUN
- DEMO 02-15 VERTICAL GUN ON CAR
- DEMO 02-16 VERTICAL GUN ON ACCELERATED CAR
- DEMO 02-17 STRING AND WEIGHT ACCELERATION
- DEMO 02-18 SHIFTED AIR TRACK INERTIA
- DEMO 02-19 FOAM ROCK
- DEMO 02-20 TABLECLOTH JERK
- DEMO 02-21 PENCIL AND PLYWOOD
- DEMO 02-22 CAR ON ROLLING BOARD
- DEMO 02-23 FAN CAR WITH SAIL
- DEMO 02-24 FIRE EXTINGUISHER WAGON
- DEMO 02-25 COLLIDING BALLS
- DEMO 02-26 CIRCLE WITH GAP

DEMO 02-27 SPINNING DISC WITH WATER

DEMO 02-28 FOUCAULT PENDULUM

DEMO 02-29 ELLIPSE DRAWING BOARD

DISC THREE

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- DEMO 03-02 STANDING WAVES
- DEMO 03-03 WAVE SUPERPOSITION
- DEMO 03-04 REFRACTION/REFLECTION FROM PLASTIC BLOCK
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DISC FOUR

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充実した補助教材

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