

13.021 Marine Hydrodynamics, Fall 2004

Fluid Mechanics Films - Loan Policy

The following films are available on CD's and DVD's (numbered copies). You can borrow the films from the 13.021 TA for up to three (3) days. A thirty (30) dollars deposit is required. The deposit will be returned to you as soon as you return the CD/DVD. You will be deducted one dollar for each day of delay. Detailed descriptions of the films appear in **Illustrated Experiments in Fluid Mechanics**, MIT Press, 1974. Call number: QC145.2.F5 Guide

IT IS ABSOLUTELY FORBIDDEN TO COPY THE FILMS.

Film Title	Total Running Time
Deformation of Continuous Media	38 min
Eulerian and Lagrangian Descriptions in Fluid Mechanics	27 min
Flow Visualization	35 min
Fluid Quantity and Flow	42 min
Fundamentals of Boundary Layers	24 min
Pressure Fields and Fluid Acceleration	31 min
Turbulence	32 min
Vorticity I	23 min
Vorticity II	21 min
Waves in Fluids	33 min
Fluid Dynamics of Drag, I	33 min
Fluid Dynamics of Drag, II	32 min
Fluid Dynamics of Drag, III	41 min
Fluid Dynamics of Drag, IV	29 min

Film Title	Total Running Time
Cavitation	32 min
Flow Instabilities	28 min
Low Reynolds Number Flow	33 min
Rotating Flows	31 min
Secondary Flow	31 min
Aerodynamics Generation of Sound	45 min
Channel Flow of a Compression Fluid	29 min
Magnetohydrodynamics	27 min
Rarefied Gas Dynamics	33 min
Rheological Behavior of Fluids	23 min
Stratified Flow	26 min
Surface Tension in Fluid Mechanics	30 min