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INTRODUCTION TO FLUID DYNAMICS9 FIG. 2. - An arbitrary region of fluid divided up into small rectan-gular elements (depicted only in two dimensions). FIG. 3. - Surface force on an arbitrary small surface element embed-ded in the fluid, with area A and normal n . F is

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the force exerted by the fluid on side 1, on the fluid on side 2.

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The emphasis throughout is on physical principles and generalities of fluid dynamics. Particular attention is paid to the correspondence between observation and the various conceptual and analytical models of flow systems.

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