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treatment in which the properties of a real viscous fluid were fully emphasised.

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FIG. 2. - An arbitrary region of fluid divided up into small rectangular elements (depicted only in two dimensions). FIG. 3. - Surface force on an arbitrary small surface element embedded in the fluid, with area  $\Delta A$  and normal  $n$ .  $F$  is the force exerted by the fluid on side 1, on the fluid on side 2.

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A branch of fluid mechanics, CFD (Computational Fluid Dynamics) uses

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