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Adrian Bejan was awarded the 2018 Benjamin Franklin Medal for "Thermodynamics and constructal theory, which predicts natural design and its evolution in engineering, scientific, and social systems". He received all his degrees from the Massachusetts Institute of Technology (B.S.1971, M.S.1972, Ph.D.1975).

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3. Solution. Use scale analysis [] and note that the fluid movement has two time scales.The initial time scale belongs to the horizontal movement of the blade, (1) t L ~ L V This is the time needed by the blade to touch the volume completely. The subsequent time scale refers to the spreading of horizontal movement from the blade into the motionless fluid above.

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