



Michael Karp

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Dr. Michael Karp received all of his degrees from the Faculty of Aerospace Engineering, Technion.

His dissertation combined analytical and numerical methods for understanding transition in wall-bounded shear flows.

His research interests include Aerodynamics, Fluid Mechanics, Flow Instabilities, Transition to turbulence, Flow Control and Flight Mechanics.

Publications

PUBLICATIONS

- **Transition to turbulence over convex surfaces** *JOURNAL OF FLUID MECHANICS*
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- **Streak instability and generation of hairpin-vortices by a slotted jet in channel crossflow: Experiments and linear stability analysis** *PHYSICS OF FLUIDS*
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- **Tracking stages of transition in Couette flow analytically** *JOURNAL OF FLUID MECHANICS*
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- **An analytical-based method for studying the nonlinear evolution of localized vortices in planar homogenous shear flows** *JOURNAL OF COMPUTATIONAL PHYSICS*
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