

Andrea Prosperetti
SCIENTIFIC PUBLICATIONS

Books

1. *Computational Methods in Multiphase Flow*, textbook co-authored by A. Prosperetti, G. Tryggvason et al., co-edited by A. Prosperetti and G. Tryggvason, Cambridge University Press, 2007; paperback edition 2009
2. *Advanced Mathematics for Applications*, to be published by Cambridge University Press in November 2010
3. *Computational Approaches to Multiphase Flow*, conference proceedings edited by S. Balachandar and A. Prosperetti, Springer, 2006

Refereed Journal Articles

1. Marchioro, C., Prosperetti, A. and Pugliese, A. T-Violation in Hyperon Beta Decay, *Lettere al Nuovo Cimento*, **1**, 473-478, 1969
2. Biasi, L., Prosperetti, A. and Tozzi, A. Collapse of One-Dimensional Cavities in Compressible Liquids, *The Physics of Fluids*, **15**, 1848-1850, 1972
3. Biasi, L., Prosperetti, A. and Tozzi, A. Collapse of a Condensing Bubble in Compressible Liquids, *Chemical Engineering Science*, **27**, 815-822, 1972
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14. Prosperetti, A., Application of the Subharmonic Threshold to the Measurement of the Damping of Oscillating Gas Bubbles, *Journal of the Acoustical Society of America* **61** 11-16, 1977
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16. Prosperetti, A., On the Stability of Spherically Symmetric Flows, *Atti Accad. Naz. Lincei, Rend. Cl. Sci. Fis. Mat. Nat., Ser. 8* **62**, 196-203, 1977
17. Prosperetti, A., Current Topics in the Dynamics of Gas and Vapor Bubbles, *Meccanica* **12**, 214-235, 1977
18. Plesset, M.S. and Prosperetti, A. Bubble Dynamics and Cavitation, *Annual Review of Fluid Mechanics*, **9**, 145-185, 1977
19. Plesset, M.S. and Prosperetti, A. The Contribution of Latent Heat Transport in Subcooled Nucleate Boiling, *International Journal of Heat and Mass Transfer*, **21**, 725-734, 1978
20. Prosperetti, A. and Plesset, M.S. Vapour-Bubble Growth in a Superheated Liquid, *Journal of Fluid Mechanics*, **85**, 349-368, 1978
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Patents

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