

Applications of the models

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 141-154 https://doi.org/10.1007/978-3-030-68150-0_7
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Confined vortex rings

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 103 - 119 https://doi.org/10.1007/978-3-030-68150-0_5
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Dynamics of vortex rings and spray-induced vortex ring-like structures

Kaplanski, Felix; Sazhin, Sergei; Begg, Steven; Fukumoto, Y.; Heikal, Morgan European journal of mechanics B. Fluids 2010 / 3, p. 208-216 : ill

Formation number of vortex rings

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 121-139 https://doi.org/10.1007/978-3-030-68150-0_6
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A generalized vortex ring model

Kaplanski, Felix; Sazhin, Sergei; Fukumoto, Yasuhide; Begg, Steven; Heikal, Morgan Journal of fluid mechanics 2009 / p. 233-258

Jet and vortex ring-like structures in internal combustion engines : stability analysis and analytical solutions

Sazhin, Sergei; Boronin, S.; **Kaplanski, Felix** Procedia IUTAM 2013 / p. 196-204

Jets and vortex ring-like structures in internal combustion engines : stability analysis and analytical solutions

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A model for confined vortex rings with elliptical-core vorticity distribution

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Modelling of confined vortex rings

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Preface

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Spray dynamics as a multi-scale process

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Steady inviscid vortex rings

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Viscous vortex rings

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Viscous vortex rings with elliptical cores

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The vortex ring problem

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Vortex ring-like structures in a non-evaporating gasoline-fuel spray : simplified models versus experimental results

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Vortex rings in a viscous fluid : asymptotic theory and numerical simulations

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Vortex rings in internal combustion engines : modelling versus experiment

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