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**Vortex rings: existence and asymptotic estimates.** (English) Zbl 0497.76031  
*Trans. Am. Math. Soc.* 268, 1-37 (1981).

For a scan of this review see the [web version](#).

**MSC:**

- [76B47](#) Vortex flows for incompressible inviscid fluids
- [76G25](#) General aerodynamics and subsonic flows
- [49S05](#) Variational principles of physics (should also be assigned at least one other classification number in Section 49-XX)
- [31A15](#) Potentials and capacity, harmonic measure, extremal length and related notions in two dimensions
- [35J05](#) Laplace operator, Helmholtz equation (reduced wave equation), Poisson equation
- [35J20](#) Variational methods for second-order elliptic equations

Cited in **26** Documents

**Keywords:**

[capacity methods](#); [steady vortex rings](#); [kinetic energy as functional of vorticity](#); [constraints](#)

**Full Text:** [DOI](#)

**References:**

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