

[Bolik, Jürgen](#)

H. Weyl's boundary value problems for differential forms. (English) Zbl 1037.31006
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Summary: We give solutions of boundary value problems for differential forms, generalizing Poisson's equation for functions. We focus on problems which for instance give an easy access to decomposition results like those of Hodge, Kodaira and Morrey. The search for general solutions and the proof of appropriate a priori estimates is the central part of this publication.

MSC:

[31B20](#) Boundary value and inverse problems for harmonic functions in higher dimensions Cited in 4 Documents
[58A14](#) Hodge theory in global analysis

Keywords:

[Hodge decomposition](#); [Poisson's equation](#); [solutions](#); [a priori estimates](#)