

# **Exact quadrature in n-dim Galerkin-BEM**

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## **ABSTRACT**

We show a fully analytic quadrature method for the n-dimensional Galerkin boundary element method for all standard kernels and arbitrary polynomial degrees on generalized elements. Generalized elements are polyhedral subsets with planar faces. Numerical results for some selected examples will be presented which illustrate the feasibility of the exact quadrature method.