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On holomorphic extendability of functions from part of the Lie sphere to the Lie ball.

(Russian, English) [Zbl 1035.32007](#)

[Sib. Mat. Zh. 44, No. 6, 1400-1406 \(2003\)](#); translation in [Sib. Math. J. 44, No. 6, 1105-1110 \(2003\)](#).

Summary: We describe domains to which the Hua Loo-Keng-type integral for the Lie ball extends holomorphically. We obtain a criterion for the possibility of holomorphic extension of functions from part of the Lie sphere to the Lie ball.

MSC:

[32D15](#) Continuation of analytic objects in several complex variables

Cited in **4** Documents

Keywords:

[Lie ball](#); [integral representation](#); [holomorphic extension](#)

Full Text: [EuDML](#) [EMIS](#)