

## **Exponential Convergence and New Notions of Tractability for Analytic Multivariate Problems**

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For analytic problems, we would like to achieve an exponential convergence and tractability in terms of  $d$ , which is the number of variables, and in terms of  $\log 1/\epsilon$ , with  $\epsilon$  being an error threshold. We present a number of recent results obtained jointly with J. Dick, G. Larcher, P. Kritzer and F. Pillichshammer.