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Einladung zu einem Vortrag von

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zum Thema

## **Efficient Computation of Ratios of Stirling Numbers**

Ort: E.0.05 der Universität Klagenfurt

Zeit: Mittwoch, 13. Juli 2016, um 11:00 Uhr s.t.

### *Kurzfassung:*

For several parameters of distributions, the minimum variance unbiased estimator can be expressed as the ratio of consecutive terms of a combinatorial sequence like Stirling numbers. These ratios also occur in applications, it is necessary to efficiently compute these ratios.

However, that is non-trivial: Both the numerator and the denominator grow exponentially fast, but the quotient is small. So it is preferable to directly compute the quotient instead of computing numerator and denominator separately. We give a general procedure to compute an asymptotic expression for such ratios directly.

This is joint work with Hsien-Kuei Hwang.

Das Institut für Mathematik freut sich auf Ihren Besuch.

<https://www.math.aau.at/>