

# Polynomial inequalities with asymmetric weights

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We initiate the study of the Bernstein-Markov type inequalities for the so called *asymmetric weights* which may vanish at a given point with different rates. Bernstein type inequality is proved for asymmetric weights with power discrepancies. It turns out that the order of Bernstein factors in the asymmetric case is in general greater than  $O(n)$ .

**Joint work with:** András Kroó.

## References

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