

# SUMS OF POWERS VIA BACKWARD FINITE DIFFERENCES AND NEWTON'S FORMULA

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ABSTRACT. We develop formula for sums of powers using Newton's interpolation formula in terms of backward finite differences of powers.

## 1. INTRODUCTION AND MAIN RESULTS

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**Sources:** [github.com/kolosovpetro/SumsOfPowersViaBackwardDifferences](https://github.com/kolosovpetro/SumsOfPowersViaBackwardDifferences)

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