

# Interpolation of finite multiple harmonic sums and relations among multiple zeta values

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## **Abstract**

It is known that there are many  $\mathbb{Q}$ -linear relations among multiple zeta values (MZV's) and the problem of finding all such relations is still open. In order to attack this problem, we study relations between certain multiple series and the Newton series which interpolate finite multiple harmonic sums. This method seems to give many  $\mathbb{Q}$ -linear relations among MZV's.