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An identity for the power-sums of contents and its application to gauge theory

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Abstract

We consider the power-sums of contents for a fixed Young diagram, and give an identity for a weighted sum of them. As an application, we derive linear relations among one-point functions in $U(1)$ gauge theory.

This talk is based on a joint work with S. Fujii, H. Kanno and S. Moriyama.