

## Convolution sums of restricted divisor functions derived from Dirichlet convolution

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**Abstract.** In this article, the convolution sums of six restricted divisor functions considered by Glaisher are studied. Using the properties of Dirichlet convolution, we try to find the inverse functions of four restricted divisor functions and use these to find the formulae for the convolution sums under the given relatively primeness conditions.

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*Mathematics Subject Classification:* 11R27, 11D09.

*Key words and phrases:* Dirichlet convolution, convolution sums, restricted divisor functions.