

## **Words Restricted by 3-Letter Generalized Multipermutation Patterns**

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Received November 20, 2002

*AMS Subject Classification:* 05A05, 05A15

**Abstract.** We find exact formulas and/or generating functions for the number of words avoiding 3-letter generalized multipermutation patterns and find which of them are equally avoided.

*Keywords:*  $k$ -ary words, generalized patterns, generating functions