Lexicographical combinatorial generation and Gray codes for noncrossing and nonnesting set partitions of classical type

Ricardo Mamede, Alessandro Conflitti

CMUC - Universidade de Coimbra

e-mail: `mamede@mat.uc.pt`

`conflitt@mat.uc.pt`

Resumo: A Gray code is a listing structure for a set of combinatorial objects such that some consistent (usually minimal) change property is maintained throughout adjacent elements in the list. I shall present combinatorial Gray codes and explicit designs of efficient algorithms for lexicographical combinatorial generation of the sets of noncrossing and nonnesting set partitions of length n for all classical types.

palavras-chave: Gray code; noncrossing partitions; nonnesting partitions.

Referências

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