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# KLOOSTERMAN SUMS FOR $SL_3$ LONG WORD ELEMENT

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## Abstract

Using the reduced word decomposition of the long word element of the Weyl group element of  $SL_3$ , we give a nice expression for the long word Kloosterman sum. First classical Kloosterman sums, their importance, and matrix formulation will be introduced. This is joint work with Maki Nakasuji of Sophia University (Tokyo).

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