

## Factorized Spread Sets and Translation Planes

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*Abstract:* We introduce the simple concept of factorized spread sets to construct translation planes which have large, commuting homology groups. Among these planes are the nearfield planes. We describe new examples of order  $q^2$  which are not nearfield planes. They have the unusual property that the groups of  $((0), [\infty])$ - and  $((\infty), [0])$ -homologies have orders  $(q - 1)(2, q - 1)$  and  $(q + 1)(2, q - 1)$ , respectively.