

# THE MAXIMAL ORDER OF HYPER- $(b$ -ARY)-EXPANSIONS

MICHAEL COONS AND LUKAS SPIEGELHOFER

ABSTRACT. Using methods developed by Coons and Tyler, we give a new proof of a recent result of Defant, by determining the maximal order of the number of hyper- $(b$ -ary)-expansions of a nonnegative integer  $n$  for general integral bases  $b \geq 2$ .