

# SEMIGROUPS AND THEIR POINCARÉ SERIES

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Arithmetic, algebraic, geometric and topological combinatorics provide relevant techniques for the study of Semigroups. According to it, in particular, one can define various Poincaré Series encoding the corresponding information. Based on results together with Pilar Pisón-Casares and collaborators over 20 years ago, we present recent work together with Raquel Melgar on such information and Series.

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