

# Ideals Associated to Subspace Arrangements

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Let  $W$  be a collection of  $n$  linear subspaces, a subspace arrangement, in a projective space. To  $W$  we may associate two ideals: the intersection  $I$  and the product  $J$  of the ideals of the individual linear spaces. In the talk I will report of some recent results about the resolution of  $J$  for arbitrary  $W$  and the regularity of  $I$  for general  $W$ . Joint work with Manolis Tsakiris (Chinese Academy of Sciences).