

# ON THE CLASSIFICATION OF NICE ALGEBRAS —

$n, n_i$  POSITIVE INTEGERS

$k$  } GROUND FIELD  
 { ALG. CLOSED, CHAR. 0

Ex.  $k = \mathbb{C}$

SCHUR'S LEMMA  
 $D, D_i$  DIVISION ALGEBRAS/ $k$   
 Ex.  $D = \text{End}_{A\text{-mod}}(W)$   
 SIMPLE  $A$ -MODULE

$K, K_i$  FIELD EXT'N OF  $k$   
 Ex.  $K = \text{Frac}(k[x])$

