



**Alan PATERSON** (mmap@olemiss.edu), Department of Mathematics, University of Mississippi, MS 38655, USA, *Fourier algebras and Schur products*.

ABSTRACT. The Fourier algebra  $A(G)$  for a locally compact group, first investigated by P. Eymard, encodes, in Banach algebra form, information about group duality and amenability. In a different direction, V. Paulsen has investigated the cb norm on  $M_n$  as a Banach algebra acting on the usual  $M_n$  by Schur product. We will discuss how these two Banach algebras are (surprisingly) the same in kind. More precisely, both are examples of Fourier algebras for a locally compact groupoid. This illustrates how groupoid Fourier algebras provide a wide range of Banach algebras relevant to duality theory.