962-46-1175  **David E Edmunds**, Centre for Mathematical Analysis, and Its Applications, University of Sussex, Falmer, BN1 9QH Brighton, England, and **Ritva M Hurri-Syrjanen\*** (`hurri@ms.uky.edu`), University of Kentucky, Department of Mathematics, 715 Patterson Office Tower, Lexington, KY 40506-0027. *Weighted inequalities of exponential type.* Preliminary report.

We investigate inequalities of exponential type. Our principal object is to give conditions on the weights and the domain D that are sufficient to ensure inequalities with these weights, yet allow the boundary of D to be quite rough. (Received October 02, 2000)