



**John J.F. Fournier** (fournier@math.ubc.ca), Department of Mathematics, University of British Columbia, Vancouver BC V6T 1Z2, Canada, *Generic factorization and Paley lacunarity*.

ABSTRACT. We consider Fourier coefficients of periodic operator-valued functions, and prove two theorems with order and lacunarity hypotheses. One of the theorems was proved earlier by Lust and Pisier, using analytic factorization; we use a weaker factorization property. We also prove two results about restrictions of two-variable Fourier coefficients to circles. One of those results is due to Yudin, with a dual proof.