FRIABLE AVERAGES, A SURVEY

GÉRALD TENENBAUM (Institut Élie Cartan de Lorraine)

ABSTRACT: We shall present an overview of available estimates for friable averages of (mainly but not only) multiplicative arithmetic functions, including recent results with La Bretèche dealing with oscillating functions whose Dirichlet series is analytically close to a real, negative power of the Riemann zeta function. Some applications will be described.