# On the boundedness of discrete Wolff potentials

CARME CASCANTE AND JOAQUIN M. ORTEGA

**Abstract.** We obtain characterizations of the pairs of positive measures $\mu$ and $\nu$ for which the discrete non-linear Wolff-type potential associated to $\mu$ sends $L^p(d\nu)$ into $L^q(d\mu)$.

**Mathematics Subject Classification (2000):** 46E30 (primary); 46E35, 31B10 (secondary).