Wiener type Orlicz Algebras

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(joint work with Büşra Arıs)

Let G be a locally compact group, Φ_1, Φ_2 be Young functions and ω be a moderate weight function on G. We introduce the weighted Orlicz amalgam spaces $W(L^{\Phi_1}(G), L^{\Phi_2}_\omega(G))$ defined on G, where the local component is the Orlicz space $L^{\Phi_1}(G)$ and the global component is the weighted Orlicz space $L^{\Phi_2}_\omega(G)$. We present conditions for an Orlicz amalgam space to be a Banach algebra.