

On the Banach envelope of Hardy–Orlicz spaces of an annulus

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We describe the Banach envelopes of Hardy–Orlicz spaces $H^\Phi(A)$ of analytic functions on annulus A of the complex plane generated by Orlicz functions Φ well estimated by power-type functions. In particular we will show that the Banach envelope of $H^\Phi(A)$ is isometric to certain weighted Bergman spaces on A and we use it to obtain the description of the dual of $H^\Phi(A)$.