Spectra of weighted composition operators with automorphic symbols
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Let φ be an automorphism of the open unit disc $\mathbb{D}$. For such φ, we investigate the spectra of invertible weighted composition operators uC_φ acting on a wide class of analytic function spaces; this class contains, for example, Hardy spaces $H^p(\mathbb{D})$, weighted Bergman spaces $A^p_\alpha(\mathbb{D})$, and weighted Banach spaces of H^∞-type. We present new techniques for deducing the spectrum and for calculating the spectral radius of uC_φ.

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