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Essential spectra of weighted composition operators induced by non-invertible transformations.

We consider weighted composition operators on $C(K)$ induced by non-invertible surjective maps. In the case of an invertible weight we obtain a criterion for $\lambda I - T$, $\lambda \in \sigma(T)$ to be a surjection on $C(K)$. We also describe essential spectra of weighted composition operators acting on $C(S)$, where S , is the unit circle, and in disk-algebra, and induced by some finite Blaschke products. (Received September 18, 2016)