Determination of the impulsive Dirac systems from a set of eigenvalues

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Abstract

In this work, we consider the inverse spectral problem for the impulsive Dirac systems on $(0,\pi)$ with the jump condition at the point $\frac{\pi}{2}$. We conclude that the matrix potential Q(x) on the whole interval can be uniquely determined by a set of eigenvalues for two cases: (i) the matrix potential Q(x) is given on $\frac{\pi}{4}$ in $\frac{\pi}{4}$ is given on $\frac{\pi}{4}$ in $\frac{\pi}{4}$ in $\frac{\pi}{4}$ is given on $\frac{\pi}{4}$ in $\frac{\pi}{4}$ in $\frac{\pi}{4}$ is given on $\frac{\pi}{4}$ in $\frac{\pi}{4}$ in

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