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Let the boundary value problem,

$$a_{n-1}y_{n-1} + b_n y_n + a_n y_{n+1} = \lambda y_n,$$
$$\sum_{k=0}^p (y_1 \gamma_k + y_0 \beta_k) \lambda^k = 0$$

is considered where $\{a_n\}_{n \in \mathbb{N}}$ and $\{b_n\}_{n \in \mathbb{N}}$ are complex sequences, $\gamma_i, \beta_i \in \mathbb{C}$ for $i = 0, 1, 2, \dots, p$ and λ is a spectral parameter. In this study, several spectral properties of the above boundary value problem as Jost solution, Jost function, eigenvalues and spectral singularities are mentioned for the condition

$$\sum_{n=1}^{\infty} n (|1 - a_n| + |b_n|) < \infty.$$

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