

Stable two-dimensional filters identification

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Abstract

The technology of processing large-format images is considered, which includes solving the problem of identifying a restoration filter as one of the stages. The problem is solved in the class of stable filters with infinite impulse response (IIR filters). A coordinate transformation is performed to formulate the stability conditions for the IIR filter.

Keywords: two-dimensional filter, large-format image, restoration filter, IIR filter.

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