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Use of wavelet analysis for improving autofocusing capability

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Abstract

A novel method for improving autofocusing capability by using wavelet-based correlation is proposed. Experimental results show that the proposed wavelet-based analysis could detect slightly out-of-focused images. Therefore, it could improve autofocusing capability. © 1998 Elsevier Science B.V. All rights reserved.

Keywords: Autofocus; Wavelet analysis; Wavelet correlator
