

## عنوان مقاله:

Mixed Noise Reduction in Image Sequences Using a new Fuzzy Method

## محل انتشار:

چهاردهمین کنفرانس مهندسی برق ایران (سال: 1385)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

In this paper, we will propose a novel fuzzy method in image sequences filtering. The proposed filter assigns adaptive weights based on exponential membership functions and use averaging filter for attenuating noise. Our proposed algorithm in image sequences filtering is much more better than the previous algorithms, Specially if images are corrupted by mixed noise, our proposed method attenuates noise and preserves edges much more better than the previous methods. Our proposed fuzzy algorithm do not need estimating motion trajectory because their assigned weights to noisy pixels are adaptive and use the correlation of pixels well enough. The proposed filter could remove mixed noise admissibly without requesting to know Gaussian noise variance or Salt & Pepper noise density. It is shown experimentally that the proposed filter can preserve image structures and edges under motion while .attenuating noise, and thus can be effectively used in image sequences filtering

## کلمات کلیدی:

Image sequences filtering, Adaptive fuzzy algorithms, weighted exponential functions, Mixed noise

## لینک ثابت مقاله در پایگاه سیویلیکا:

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