

## Accepted Manuscript

A directional global sparse model for single image rain removal

Liang-Jian Deng, Ting-Zhu Huang, Xi-Le Zhao, Tai-Xiang Jiang

PII: S0307-904X(18)30106-9  
DOI: [10.1016/j.apm.2018.03.001](https://doi.org/10.1016/j.apm.2018.03.001)  
Reference: APM 12189

To appear in: *Applied Mathematical Modelling*

Received date: 11 August 2017  
Revised date: 21 January 2018  
Accepted date: 14 February 2018

Please cite this article as: Liang-Jian Deng, Ting-Zhu Huang, Xi-Le Zhao, Tai-Xiang Jiang, A directional global sparse model for single image rain removal, *Applied Mathematical Modelling* (2018), doi: [10.1016/j.apm.2018.03.001](https://doi.org/10.1016/j.apm.2018.03.001)



This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Highlights

- Formulate a simple but efficient directional model for single image rain removal.
- Present a novel rain rotation strategy for the final model.
- The designed algorithm is fast and holds the complexity of  $O(n \cdot \log n)$ .
- This method obtains the state-of-the-art results and the corresponding code is available.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8051662>

Download Persian Version:

<https://daneshyari.com/article/8051662>

[Daneshyari.com](https://daneshyari.com)