

Accepted Manuscript

Post-processing of Time-Frequency Representations in
Instantaneous Frequency Estimation Based on Ant Colony
Optimization

Miloš Brajović , Vesna Popović-Bugarin , Igor Djurović ,
Slobodan Djukanović

PII: S0165-1684(17)30116-0
DOI: [10.1016/j.sigpro.2017.03.022](https://doi.org/10.1016/j.sigpro.2017.03.022)
Reference: SIGPRO 6434



To appear in: *Signal Processing*

Received date: 16 September 2016
Revised date: 20 March 2017
Accepted date: 21 March 2017

Please cite this article as: Miloš Brajović , Vesna Popović-Bugarin , Igor Djurović , Slobodan Djukanović , Post-processing of Time-Frequency Representations in Instantaneous Frequency Estimation Based on Ant Colony Optimization, *Signal Processing* (2017), doi: [10.1016/j.sigpro.2017.03.022](https://doi.org/10.1016/j.sigpro.2017.03.022)

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

- Instantaneous frequency (IF) estimation of signals embedded in high noise is addressed
- Ant Colony optimization method for post-processing the Wigner distribution (WD) is proposed
- Besides WD, the proposed technique is also applicable on Short-time Fourier transform, Wavelet transform, S-method and L-WD
- Cross-terms in the WD of multicomponent signals are reduced by the proposed algorithm

ACCEPTED MANUSCRIPT

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات