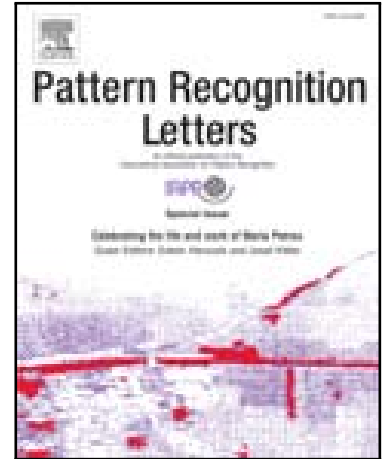


## Accepted Manuscript

Convolutional Kernel Networks based on a Convex Combination of Cosine Kernels

Mohammad Reza Mohammadnia-Qaraei, Reza Monsefi,  
Kamaleddin Ghiasi-Shirazi

PII: S0167-8655(18)30603-2  
DOI: <https://doi.org/10.1016/j.patrec.2018.09.016>  
Reference: PATREC 7315



To appear in: *Pattern Recognition Letters*

Received date: 28 August 2017  
Revised date: 5 September 2018  
Accepted date: 11 September 2018

Please cite this article as: Mohammad Reza Mohammadnia-Qaraei, Reza Monsefi, Kamaleddin Ghiasi-Shirazi, Convolutional Kernel Networks based on a Convex Combination of Cosine Kernels, *Pattern Recognition Letters* (2018), doi: <https://doi.org/10.1016/j.patrec.2018.09.016>

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**

- A new CKN model is proposed that is more efficient regarding accuracy and time.
- It is structurally more similar to convolutional networks than ordinary CKNs.
- A fast approximation method based on RFF is employed for training the proposed model.
- A novel data-dependent method is proposed for approximating shift-invariant kernels.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/11030054>

Download Persian Version:

<https://daneshyari.com/article/11030054>

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