Accepted Manuscript

Coupled convolution layer for convolutional neural network

Kazutaka Uchida, Masayuki Tanaka, Masatoshi Okutomi

PII: \$0893-6080(18)30153-9

DOI: https://doi.org/10.1016/j.neunet.2018.05.002

Reference: NN 3948

To appear in: Neural Networks

Received date: 5 March 2017 Revised date: 20 April 2018 Accepted date: 1 May 2018



Please cite this article as: Uchida, K., Tanaka, M., Okutomi, M., Coupled convolution layer for convolutional neural network. *Neural Networks* (2018), https://doi.org/10.1016/j.neunet.2018.05.002

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.

ACCEPTED MANUSCRIPT

Coupled Convolution Layer for Convolutional Neural Network

Kazutaka Uchida¹, Masayuki Tanaka^{1,2}, Masatoshi Okutomi¹

E-mail addresses: uchida@ok.sc.e.titech.ac.jp (K.Uchida) mtanaka@sc.e.titech.ac.jp (M.Tanaka)

mxo@sc.e.titech.ac.jp (M.Okutomi)

¹Department of Systems and Control Engineering, School of Engineering, Tokyo Institute of Technology, Tokyo, Japan

²Artificial Intelligence Research Center, National Institute of Advanced Industrial Science and Technology, Tokyo, Japan

Corresponding Author:

Kazutaka Uchida

Department of Systems and Control Engineering School of Engineering Tokyo Institute of Technology 2-12-1 O-okayama, Meguro-ku, Tokyo 152-8550, Japan

Tel: +81-3-5734-3472

Fax: +81-3-5734-3483

Email: uchida@ok.sc.e.titech.ac.jp

Download English Version:

https://daneshyari.com/en/article/6862873

Download Persian Version:

https://daneshyari.com/article/6862873

<u>Daneshyari.com</u>