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**Kuchma M.O., Voronin V.V.** (004183@pnu.edu.ru), **Bloshchinskiy V.D.**  
Pacific State University

SETTING, TRAINING AND TESTING OF A CONVOLUTIONAL NEURAL NETWORK TO COMPLETE THE TASK OF THEMATIC PROCESSING OF SATELLITE IMAGES

We describe an algorithm based on a convolutional neural network that detects cloud and snow covers in satellite images. Algorithm accuracy was evaluated using machine learning metrics. The proposed algorithm is fully automatic.

**Keywords:** neural networks, training, testing, texture, remote sensing, Electro-L, multizone scanning instrument used for hydrometeorological support.

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