

Understanding convolutional neural networks and their application in waste classification problems

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Abstract: This topic is conducted to study the necessity of applying convolutional neural networks (CNN) in the field of waste processing. The research method includes both reviewing the basic principles of CNN and implementing this model in the waste classification problem with the goal of building an automatic recognition system. Through this, the topic aims to contribute to the development of environmental processing technology as well as improve efficiency in waste management.

Keywords: Convolutional neural network, Waste classification, Environmental processing