











can be utilized in diverse fields. In particular, it is possible to perform effective defect detection even when a small data set consisting of manufacturing processes is used, and it is possible to maintain product quality. Through this, it is possible to perform effective anomaly detection and defect classification regardless of the data set volume or type, and this can be utilized in diverse fields.

In the future, it is scheduled to conduct a study to apply the proposed method to industrial data and other fields such as medical data. In addition, it is scheduled to conduct a study aimed at integrating the pre-existing two stages of region segmentation into one stage by improving the algorithm. In addition, it is scheduled to conduct a study to improve the performance of a PatchCore-based anomaly detection model by changing the deep neural network.

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