# Weighted Feature Fusion of Convolutional Neural Network and Graph Attention Network for Hyperspectral Image Classification

This example implements the paper in review [Weighted Feature Fusion of Convolutional Neural Network and Graph Attention Network for Hyperspectral Image Classification]

## Run

If you want to run this code, just put your data in the Datasets folder and change a few paths.

- path 1: Load\data\_reader.py -> data path

- path 2: main.py -> path\_model

## Installation

This project is implemented with Pytorch and has been tested on version Pytorch 1.7, numpy 1.21.4, matplotlib 3.3.3 and scikit-learn 0.23.2.

## Citation

Please kindly cite the papers if this code is useful and helpful for your research.

1. Yanni Dong, Quanwei Liu, Bo Du and Liangpei Zhang, “Weighted Feature Fusion of Convolutional Neural Network and Graph Attention Network for Hyperspectral Image Classification,” *IEEE Transactions on Image Processing*, vol. 31, pp. 1559-1572, 2022. Doi: 10.1109/TIP.2022.3144017.

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