

# Improved Residual Network Based on Deformable Convolution for Urban Sound Tagging

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## Abstract

In order to solve the problem of Urban Sound Tagging, we use deformable convolution to improve the residual module, add offset variables to the input feature map of the residual module, and use the improved residual module to form a new residual network. Compared with the general method of adding deformable convolution, the improved method in this paper has better results.