

Sign Language to Text Conversion

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Abstract: Sign language is one of the oldest and most natural forms of communication, but most people do not know sign language and it is very difficult to find an interpreter, so we have developed a real-time method of using neural networks for American Sign Language. In our method, the hand first passes through the filter, and after the filter is applied, the hand passes through a classifier that predicts the class of hand gestures. Our method gives 95.7% accuracy for the 26 letters of the alphabet.

Keywords: Sign Language, Text Conversion, Computer Vision, ASL, American Sign Language, Hand Gestures, ANN.

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