

Research on error correction technology to improve English speech recognition performance.

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Abstract: In the context of the widespread application of speech recognition technology, the issue of improving accuracy in audio signal processing cannot be overlooked. This topic aims to research and implement error correction solutions to enhance English speech recognition performance through a combination of theoretical and experimental methods. Through testing, the project expects to achieve significant improvements in accuracy and processing time, making a positive contribution to the development of this technology.

Keywords: error correction technology, speech recognition, performance, English, practical application