GUI Signal Analysis and Filtering Design
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ABSTRACT
This project is the development of a GUI application in Matlab that is capable of assisting in signal analysis and optimization of FIR and IIR filtering on the signal, using different filter types.

- GUI environment in matlab, flexible, easy to handle
- Focused in classic FIR and IIR filters
- The audio signals that the system will use will be in WAV format

MOTIVATION: This GUI application will allow the analysis of signals subjected to FIR and IIR filters. It will also allow the study and optimization of audio signals in a comprehensive way. This application could support the subjects related to the study of digital filters and digital signal processing.

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