

Impulse Response Measurement

A MATLAB Experiment for Purdue ECE 301

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Part II: Extracting the file

If you used a smart phone that records in WAV format as the recording device, the easiest way to get the file to your computer is to email it to yourself. Many smart phone apps have a sharing function within them. There will either be a sharing button that is visible when a file is selected or an option under the settings menu. Once you have clicked the share button, select an email application and send the file to yourself. If you do not have the ability to access the internet on your phone, follow the instructions below.

iPhone

1. Connect the iPhone to the computer via the USB charging cable.
2. Open iTunes, select your device, and click on the Music tab for that device. Ensure the option to sync voice memos is selected, and then sync your iPhone
3. Select the tab associated with the Music library on the computer, and select the Playlists tab.
4. In the left column, you should see the Voice Memos playlist. Select it.
5. To enable iTunes to convert M4A files to WAV files, select Preferences under the Edit menu. Go to the General tab and select Import Settings. In the Import Using drop down menu, select WAV Encoder and click Okay.
6. Return to the Voice Memo's tab and right click on your recording. Select Create WAV Version.
7. Then right click on the recording again and select "Show in Windows Explorer"
8. Copy the WAV file from its location to a known location on your computer.

Android

1. Connect the phone to the computer via the USB charging cable.
2. When the Autoplay window pops up, select “Open device to view files”
3. Click on “Internal Storage”
4. Browse the internal storage for the voice recorder folder and open it.
5. Copy your files from their location to a known location on your computer.

If for some reason the extracted file is not in the correct file format, the following website can be used to convert the file to .wav. On the website under the “Upload your audio you want to convert to WAV” section, click on “Choose Files”. Browse your computer for the files you want to convert and hit “open”. Next, click the “Convert” button. It may take some time to upload and convert the files depending on their size. When the file has been converted, the new file will be downloaded by the website. Finally, move the file from your downloads to your working directory.

Website: <http://audio.online-convert.com/convert-to-wav>