
Subject: noise reduction

Posted by [Ingo Gross](#) on Mon, 21 Feb 2000 08:00:00 GMT

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I'm working as a student for my diploma-thesis on a tool for noise reduction

with microphones.

I've to examine the noise IN a bottle.

I want to avoid the influence of noise around the bottle.

Therefore I've put two microphones receiving two different signals:

One into the bottle, the other outside.

One microphone receives the sound in the bottle and the surrounding sound,

the other receives the surrounding sound only.

I want to subtract the two signals to reduce the disturbing signal.

I've used my soundcard to record the signal which created a stereo-wav-file.

This file is to examine by some software.

- Which tool shall I use? IDL or MathLab?

- Is it possible to import the stereo-wav file into IDL / MathLab ?

Or do you have any conversion-tools ?

Do you have any experience, links, tools, etc. ?

Thanks!

Please answer per mail additionally.

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