Re: Do you recognize this sound?

Source: http://sci.tech−archive.net/Archive/sci.electronics.design/2005−05/msg00748.html

- *From*: "Herbert Blenner" <a1eah71@xxxxxxx>
- *Date*: 5 May 2005 22:23:26 −0700

Don Pearce wrote:
> On 5 May 2005 01:35:27 −0700, "Herbert Blenner" <a1eah71@xxxxxxx>
> wrote:
>
>
> > >
> > >If your sonar is an accurate representation of the 900 Hz component
> > >then I would appreciate further details on how you extracted it from
> > >the other signals.
> > >
> > >Herbert
> > >
>
> If you want to extract the signal yourself using your FFT, then it is
> quite simple. Run the FFT. Set all the values up to the 800Hz point
to
> zero. Do the same for points from 1kHz upwards. Now run the IFFT and
> you have a filtered version of the original, with just the 900Hz
> signal and a bit of noise − similar to what I posted, but without the
> extra joke effects.
>
> d
> Pearce Consulting
> http://www.pearce.uk.com

Thanks for the advice, Don.

I have tried the technique and found that transient response of the
filter to the rapid shifts of the signal dominate the output.

Herbert

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- ***Follow−Ups***:
  - ***Re: Do you recognize this sound?***

- ◊ *From:* Don Pearce

- ***References***:
  - ♦ ***Do you recognize this sound?***
    - ◊ *From:* Herbert Blenner
  - ♦ ***Re: Do you recognize this sound?***
    - ◊ *From:* Don Pearce
  - ♦ ***Re: Do you recognize this sound?***
    - ◊ *From:* Herbert Blenner
  - ♦ ***Re: Do you recognize this sound?***
    - ◊ *From:* Don Pearce

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