

Re: Creating noise in the frequency domain?

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Matthias wrote:

```
WN_s -> GN_f
WN_f -> GN_s
GN_s -> GN_f
GN_f -> GN_s
```

Oh, really that straightforward?

Great, but can you specify what aspect of the complex numbers you are talking about?

Real & imaginary parts

From what range do I have to pick values in the frequency domain to get Gaussian noise in the spatial domain (does it matter)?

(Random-0.5)*3.4626 (just do it for all real&imag values) should bring a standard deviation of 1, some more or less. I got this number by try.

Dont know how Matlab handles it, but the values should also be downscaled by the size of the FT.

And do you have any links or references?

No sorry, ive done the conversion in my program and looked at the deviation in the histogram.

Jens

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