

# Re: 22.6us and ~10mips to create pink noise real time

---

*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2006-05/msg03900.html>

---

- *From:* "Fred Bartoli" <[fred.canxxxel\\_this\\_bartoli@xx](mailto:fred.canxxxel_this_bartoli@xx)>
  - *Date:* Mon, 22 May 2006 15:07:30 +0200
- 

"Ancient\_Hacker" <[grg2@xxxxxxxxxxx](mailto:grg2@xxxxxxxxxxx)> a écrit dans le message de  
[news:1148297835.521024.201110@xx](mailto:news:1148297835.521024.201110@xx)

We did use all analog-- the zener (or a transistor E-B junction reverse biased) generates the noise. 7 cents, no programming, and very low power consumption.

But you'll need more than a simple RC filter to mimic 3dB/octave.  
First order filters give 6dB/o

--  
Thanks,  
Fred.