

Re: What's the Toughest Branch in Electronics?

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2007-09/msg01397.html>

- *From:* D from BC <myrealaddress@xxxxxxxxxx>
 - *Date:* Sat, 08 Sep 2007 16:36:13 GMT
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On Sat, 08 Sep 2007 02:47:50 -0700, MooseFET <kensmith@xxxxxxxxxx> wrote:

On Sep 7, 8:02 pm, D from BC <myrealaddr...@xxxxxxxxxx> wrote:

What's the Toughest Branch in Electronics?

Examples:

- Smps design (switchers for..everything!)
- Audio design (power amplifiers, analogue filters)
- RF design (radio transmitters, receivers, radar, cellphones)
- Digital design (computers,microcontrollers,FPGA)

I'll guess this order of difficulty.

- 1) RF design
- 2) Smps design

Smps design is RF design with diodes on the output side. You'd have to break the topics down a little differently as in perhaps microwave electronics design and high powered RF.

3) Audio design

You just have to put in the red LEDs to get that "tube glow" and audio is easy. Op-amps are now so good that very little of the audio subject is hard any more.

4) Digital design

You missed analog data acquisition. Getting high dynamic ranges at highish speeds isn't easy.

Re: What's the Toughest Branch in Electronics?

I put digital at the #4 spot because I'm looking at digital design from a what's-off-the-shelf point of view. Applying fast ADC IC's can't be too nasty.. I imagine the analogue front end gets attention as well as the pcb layout.

D from BC

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