

Re: how to find the best ADC step size?

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"Clay S. Turner" <Physics@Bellsouth.net> writes:

> [...]

> > *I'm having trouble with this. Yes, I see that a Huffman code attempts to*

> > *make*

> > *(symbol length)*(symbol frequency) constant over all symbols. How does*

> > *change*

> > *anything about the underlying distribution, though?*

>

> *The idea is to try to make each symbol contribute equally to the overall*

> *process. Imagine looking at your data after a huge number of symbols was*

> *received. The idea is to make the info provided by each type of symbol*

> *contribute equally.*

But this Huffman coding won't do that. Choosing a representation for a symbol doesn't change the probability of the symbol occurring. It does, however, minimize the average symbol rate – I certainly see that. Perhaps I'm being blind?

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