Dear Prof. Crutchfield,

Thank you for this update. The new version indeed reads better, but it is still a bit misleading.

You write: "Other bounds that account for correlations have been analyzed in the context of a memoryless channel driven by a memoryful process [57]."

Well, first of all, it is not really *other* bounds in section 4 of [57]. It is the very *same* bound (with the only exception that I didn't take the limit over l). Secondly, as I already said in my second e-mail from July 17 (the P.S.), although I had a memoryless channel in mind throughout [57], it takes just a minute to realize that the derivation of the bound in section 4 therein is valid as is, not only for memoryless channels, but for every causal channel without feedback (which actually means in full generality), namely, every channel of the form $p(y_1,\ldots,y_n|x_1,\ldots,x_n)= \prod_{i=1}^n p(y_i|x_1,\ldots,x_i)$ (where the x's are the channel inputs and the y's are the channel outputs, in my notation), so it is fair to say that the bound in [57], which preceded yours, is even more general.

Sincerely,
Neri Merhav

Quoting "James P. Crutchfield" <chaos@cse.ucdavis.edu>:

> Dear Prof. Merhav,
>
> A new version of arXiv 1507.01537 appeared several days ago.
> It deletes the original reference to your arXiv paper.
> It includes a sentence later that cites it, pointing out that it considers memoryless transduction of correlated input.
> The citation itself was updated to indicate it has been published.
>
> These address the substantial concerns you raised.
>
> Sincerely,
>
> James P. Crutchfield, Professor
>
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