

Re: Still on the Arithmetic coder

Source: <http://newsgroups.derkeiler.com/Archive/Comp/comp.compression/2006-01/msg00318.html>

- *From:* "Learning_boy" <Newbie@xxxxxxxxxxx>
 - *Date:* Sat, 28 Jan 2006 20:19:54 +1100
-

Thanks for the reply – a little bit over the top though. I'm only testing the ground, not proposing any radical new theory. Its just as I said, when, under certain circumstances, the coder is interrogated it seems to be able to produce a picture of possible outcomes. Nothing more or less. The larger bit sequencing was to see if this is what is really happening and if there was something worth investigating. End of story.

Regards

"David A. Scott" <daVvid_a_scott@xxxxxxxxxx> wrote in message
<news:Xns975841AD97561H110W296LC45WIN3030R@xxxxxxxxxxxxxxxxxxxx>
> "Learning_boy" <Newbie@xxxxxxxxxxx> wrote in
> [news:43d9f493\\$0\\$18619\\$5a62ac22@xx](news:43d9f493$0$18619$5a62ac22@xx):
>
>>
>> Actually, the reason for the migration to greater than 64bit was that
>> it seemed that under certain circumstances the arithmetic coder became
>> a linear predictor. To me this seemed to suggest that frequencies
>> ahead might be seen(predictable) – not sure on that yet – or that as a
>> linear predictor it might be useful as a cryptography tool.
>>
>>
>
> Actually cryptography has more hype written about it than compression.
> But the advantage of working in compression is that when some blow hard
> writes reems of documenation on how well a compression method is one can
> write a test program and compare it directly with some other method then
> the average user can use his own test files to actually see how they
> differ. The bad thing is still the blow hards will write and publish
> reems of material and not all will be aware of the tests.
>
> All that said aside crypto is my first love. Many make mistakes even me
> when we first play the crypto game but it is more fun. The said thing is
> it often is not as testable as compression. But shannon has married the
> two and is a good why to approach it. The reason my arithmetic is 64 bits
> and bijective is more because of crypto than any need in real compression.
>
>
> David A. Scott

Re: Still on the Arithmetic coder

- > --
- > My Crypto code
- > <http://bijective.dogma.net/crypto/scott19u.zip>
- > <http://www.jim.com/jamesd/Kong/scott19u.zip> old version
- > My Compression code <http://bijective.dogma.net/>
- > ****TO EMAIL ME drop the roman "five" ****
- > Disclaimer:I am in no way responsible for any of the statements
- > made in the above text. For all I know I might be drugged.
- > As a famous person once said "any cryptograhic
- > system is only as strong as its weakest link"
- >

• **References:**

- ◆ **Still on the Arithmetic coder**
 - ◇ From: Learning_boy
 - ◆ **Re: Still on the Arithmetic coder**
 - ◇ From: David A. Scott
 - ◆ **Re: Still on the Arithmetic coder**
 - ◇ From: Learning_boy
 - ◆ **Re: Still on the Arithmetic coder**
 - ◇ From: David A. Scott
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