

Re: NMR experiment factors numbers with Gauss sums

Source: <http://sci.tech-archive.net/Archive/sci.math.research/2006-10/msg00014.html>

- *From:* klaus hoffmann <nospam@xxxxxxxxxxxxx>
 - *Date:* Sun, 01 Oct 2006 17:19:03 +0200
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gautam.kalia18@xxxxxxxxxx wrote:

Have the claims in

<http://arxiv.org/abs/quant-ph/0609174>

regarding the preprint whose title is the subject of this message been verified ??

The number factored by the NMR device is 157573. If this is correct it amounts to a significant advance in the physics of computation.

[Moderator's remark: NMR seems to refer to Nuclear Magnetic Resonance!]

The authors claim to have a \sqrt{N} method for factoring N . This is an exponential method, not an advance in factoring. In the conclusion they write that further research is necessary to apply entanglement and get an subexponential algorithm (the state of art in factoring)