

# Re: A new computation of G from the Cavendish experiment

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  - *Date:* Thu, 30 Aug 2007 05:37:18 +0000 (UTC)
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In sci.physics.research message <1188268491.336961.43110@xxxxxxxxxxxxxxxxx  
legroups.com>, Tue, 28 Aug 2007 01:47:27, pioneer1 <pioneer1@xxxxxxxx>  
posted:

I used Cavendish's observations (Experiment IV of August 12, 1797) to compute a value for G. I believe that this was not done in modern times. G is usually computed from the mean density of the earth computed by Cavendish using the formula  $N^2/(a \text{ constant}) B$ . But I am getting a value about 2.5 times greater than CODATA value of G.

The ratio is suspiciously close to 8/3. I don't find the description of the experiment easy enough to follow; and it seems not to agree with another description.

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