

# Review of: "A direct calculation in the newtonian gravity framework"

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This article presents a “homework”-like calculation, reproducing the results obtainable by application of the Gauss' law, but using the integration technique.

From a pedagogical point of view, the article is interesting, since it shows an example of integration in spherical coordinates (although it could be explained with more detail).

Personally, I'd criticise the following

- This is arguable that Newton was fortunate or lucky! A constructive recommendation would be to re-state the introduction it in a way that does not “diminish” the work by Newton. Even if it was chance, luck or an approximation, his achievement was a huge break through.
- The article mentions that a real mathematical point does not have mass. However, I'd criticise the statement pointing that: approximating real world situations with mathematical entities is the goal of modelling.
- It is mentioned that “Calculations concerning planets and stars are indeed much more precise than what would follow by a mere point-like approximation”. If so, the difference should be quantified. How much is the difference (in percentage)?
- Bibliography is missing (e.g. in the text the author mentions an article in Wikipedia, but does not provide the reference nor link), while the existing references were not justified through the article.