

# Re: Meyer's Argument against Gödel's Theorem

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- *From:* MoeBlee <jazzmobe@xxxxxxxxxxxx>
  - *Date:* Tue, 19 Aug 2008 09:45:47 -0700 (PDT)
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On Aug 18, 8:50 pm, jeffreykeg...@xxxxxxxx wrote:

Gödel noticed that arithmetic cannot prove its own consistency.  
This (the fact that there is something arithmetic cannot prove) is  
a meta-proof that arithmetic is consistent.

No, we have: IF PA (or whatever system rich enough for a certain amount of arithmetic) is consistent THEN PA does not prove its own consistency. That in itself is not a proof of the consistency of PA, since in itself it does not reveal that there is a formula that PA does not prove but only that IF PA is consistent THEN there is a formula that PA does not prove, which is known already anyway. So a proof of the consistency of PA must come from some other means.

MoeBlee

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