MAGNETIC RESONANCE
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Discussions

Magn. Reson. Discuss., community comment CC2
https://doi.org/10.5194/mr-2021-34-CC2, 2021

Comment on mr-2021-34

Tom Barbara

Community comment on "Magnetostatic reciprocity for MR magnet design" by Pedro Freire Silva et al., Magn. Reson. Discuss., https://doi.org/10.5194/mr-2021-34-CC2, 2021

The use of "a rotation R" is not very clear in Equation 4. Why not just write it out explicitly in good old fashion vector notation as given below:

The introduction of the transverse position vector □□=□□□□□□+□□□□□□ results in the expression □□□□□□□□=□²/2□□⁴)(□2(□□·□□)□□−(□□·□□)(□□−□□□□ □□□□))

for a magnetized (very long) rod of magnetization **M =** (Mx,My,Mz) and radius a. Gaussian units here.