

Magn. Reson. Discuss., community comment CC1  
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## **Comment on mr-2021-65**

Tom Barbara

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Community comment on "Radiation damping strongly perturbs remote resonances in the presence of homonuclear mixing" by Philippe Pelupessy, Magn. Reson. Discuss., <https://doi.org/10.5194/mr-2021-65-CC1>, 2021

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This is an interesting article on the effects of "radiation damping", one of my "old loves" in magnetic resonance. By using stereographic projection, I discovered long ago (Journal of Magnetic Resonance 98,608 (1992)) that RD acts like an imaginary resonance offset. A similar effort is that of Dave Rourke and Matt Augustine in Phys Rev Lett 84,1685 (2000). This picture may give some insights into the spin locking aspects that complement a numerical solution.