Abstract Submitted
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Elastic Body Motion in General Relativity NISHITA JADOO, J.
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isotropic elastic body with free surface boundary conditions and negligible self-force
moving in a background Schwarzschild space time. The elastic body is deformed
as it falls into the black hole. We add spin to the elastic body to observe the
deviation of its motion from a geodesic path and compare to the predictions of the
Mathisson-Papapetrou-Dixon (MPD) equations.

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