

DR PANKAJ S. JOSHI

LIST OF PUBLICATIONS

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1. Precession of timelike bound orbits in Kerr spacetime

Parth Bambhaniya, Divyesh N. Solanki, Dipanjan Dey, Ashok B. Joshi, Pankaj S. Joshi, Vishwa Patel

Article European Physical Journal C, **Volume** 81, **Year** 2021

DOI:[10.1140/epjc/s10052-021-08997-x](https://doi.org/10.1140/epjc/s10052-021-08997-x)

2. Shadow of nulllike and timelike naked singularities without photon spheres

Dipanjan Dey, Rajibul Shaikh, Pankaj S. Joshi

Article Physical Review D, **Volume** 103, **Year** 2021

DOI:[10.1103/PhysRevD.103.024015](https://doi.org/10.1103/PhysRevD.103.024015)

3. Accretion disks around naked singularities

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4. Strength of the naked singularity in critical collapse

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5. 'Shadow of a Naked Singularity without Photon Sphere '

Joshi, Ashok B. and Dey, Dipanjan and Joshi, Pankaj S. and Bambhaniya, Parth '

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6. Shadow of a naked singularity without photon sphere

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7. 'Precession of timelike bound orbits in Kerr spacetime '

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8. Global visibility of a strong curvature singularity in nonmarginally bound dust collapse

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9. An approach to stability analyses in general relativity via symplectic geometry

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10. Gravitomagnetism and pulsar beam precession near a Kerr black hole

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11. Can we distinguish black holes from naked singularities by the images of their accretion disks?

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17. 'Timelike geodesics in Naked Singularity and Black Hole Spacetimes '

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Chandrachur Chakraborty ., Prashant Kocherlakota ., Mandar Patil ., Sudip Bhattacharyya ., Pankaj S. Joshi ., Andrzej Królak .,

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- 52. Kerr naked singularities as particle accelerators**
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- 55. Static spherically symmetric scalar field spacetimes with C^0 matching**
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