

List of Publications of Prof. T. Padmanabhan - April 2021

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1. **T.Padmanabhan**, Solutions of scalar and electromagnetic wave equations in the field of gravitational and electromagnetic waves, *Pramana*, (1977), **9**, 371.

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7. **T.Padmanabhan**, Conformal fluctuations in a quantum universe with a scalar field, *Phys. Rev.* (1982), **D26**, 2162.
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9. **T.Padmanabhan**, Spontaneous symmetry breaking in non inertial frames and curved spacetime, *Phys. Letts.*, (1982), **89A**, 131.
10. **T.Padmanabhan** and M.M. Vasanthi, Can curvature effects be neglected in the early universe?, *Phys. Letts.*, (1982), **89A**, 327.
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18. **T.Padmanabhan**, Universe before Planck time - A quantum gravity model, *Phys. Rev.* (1983), **D28**, 756.
19. **Review Article: J.V. Narlikar and T.Padmanabhan**, Quantum cosmology via path integrals *Phys. Rept.*, (1983), **100**, 151.
20. **T.Padmanabhan**, Quantum conformal fluctuations and stationary states, *Int. Jour. Theo. Phys.*, (1983), **22**, 1023.
21. J.V. Narlikar and **T.Padmanabhan**, Problems of singularity, particle horizon and flatness in quantum cosmology, *Ann. Phys.*, (1983), **150**, 289.
22. J.V. Narlikar and **T.Padmanabhan**, Quantum cosmology as a cure for three ailments of classical cosmology, *Bull. Astron. Soc. India*, (1983), **11**, 297.

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24. **T.Padmanabhan**, Inflation from quantum gravity, *Phys. Letts.*, (1984), **A104**, 196.

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25. **T.Padmanabhan**, Why does an accelerated detector click? *Class. Quan. Grav.*, (1985), **2**, 117.
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