LIST OF PUBLICATIONS
James B. Hartle
2/ 2022


74. Path Integrals in Parametrized Theories: The Free Relativistic Particle (with K.


84. Time and Prediction in Quantum Cosmology, essentially identical versions of this paper appeared in the *Proceedings of the 5th Marcel Grossmann Conference*, ed. by D.G.


105. Equivalent Sets of Histories and Multiple Quasiclassical Domains, (with Murray Gell-Mann) gr-qc/9404013


111. Signature of Simplicial Superspace (with W.A. Miller and R.M. Williams), *Class. Quant. Grav.*, 14, 2137-2155 (1997); gr-qc/9609028

112. Sources of Predictability, in *Complexity*, 3, 22-25, 1997; gr-qc/9701027.


130. What Connects Different Interpretations of Quantum Mechanics?, in *Quo Vadis Quan-
tum Mechanics, edited by. A. Elitzur, S. Dolev, and N. Kolenda, Proceedings of a con-
ference held at the Center for Frontier Sciences, Temple University, Philadelphia, PA.,

ization of this by M. Chown appeared in New Scientist, 182, May 1, 2004, p. 34.

132. Representations of Spacetime Alternatives and their Classical Limit (w/ A. Bosse),

133. General Relativity in the Undergraduate Physics Curriculum, Am. J. Phys., 74, 14-21
(2006), gr-qc/0506075.

134. Observables in Effective Gravity, (w. S. B. Giddings and D. Marolf), Phys. Rev. D,

135. Generalizing Quantum Mechanics for Quantum Spacetime in The Quantum Structure
of Space and Time: Proceedings of the 23rd Solvay Conference on Physics, ed. by D.


138. Quasiclassical Coarse Graining and Thermodynamic Entropy (w. M. Gell-Mann),

139. The No-Boundary Measure of the Universe (w/ S.W. Hawking and T. Hertog), Phys.

140. Classical Universes of the No-Boundary Quantum State, (w. S.W. Hawking and

141. The quasiclassical realms of this quantum universe, arXiv:0806.3776. A slightly shorter


167. Stephen Hawking: To Understand the Universe, based in part on an online only article in Physics Today, March 14, 2018 in which Stephen Hawking is remembered by his colleagues, arXiv:1803.09197.


177. Advice to an Aging Theorist, 2020, available from the author on request.


182. My Timeline in Quantum Mechanics

183. Decoherent Histories Quantum Mechanics and Copenhagen Quantum Mechanics, arXiv, 2110.1547


187 Recollections of the Feynman Lectures in Physics ,arXiv. 220.05210.


NOTES: Starting with 161, approximately 1916, he author stopped seeking to publish his single author articles in journals and published in arXiv.

The author retired from teaching, committees, refereeing and other pro bono but not research on July 1, 2005. Papers after roughly 133,134 are therefore post retirement papers.

BOOKS

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VIDEOS

V1 J.B. Hartle, *The Quantum Origin of the Universe*, lecture at the SETI Institute (http://www.youtube.com/watch?v=kvFyu7A8o7E)

V2 J.B. Hartle, *The State of the Universe*, lecture at a meeting honoring Murray Gell-Mann on the 50th anniversary of quarks (http://www.youtube.com/watch?v=0pqk4vpupYA).


V5 J.B. Hartle, Quantum Gravity and Quantum Cosmology, plenary lecture at the April 2015 meeting of the American Physical Society Meeting, Baltimore, MD, https://www.youtube.com/watch?v=xcJ7diTtuRc

V6 J.B. Hartle and Bernard Carr, Fine-Tuning Conversations


3: Physics and Philosophy: https://www.youtube.com/watch?v=2IQvYv22Mg
4: No Boundaries for Quantum Cosmology: https://www.youtube.com/watch?v=pJeCl08rYjU

5: The Observer Strikes Back: https://www.youtube.com/watch?v=ZLq7kF5pXV0

V7 Stephen Hawking, James Hartle, Thomas Hertog, Before the Big Bang 5: The No Boundary Proposal. https://www.youtube.com/watch?v=Ry_pILPr7B8


V9 J.B.Hartle, Quantum Mechanics and Cosmology, talk at the Conference on 90 Years of Quantum Mechanics, Institute of Advanced Studies (IAS), Nanyang Technological University (NTU), Singapore from 23 to 26 January 2017,https://www.youtube.com/watch?v=GQrSAvSZ-

V10 J.B. Hartle, The Bubble Universes of the No-Boundary Quantum State, Talk at Stephen Hawking 75th Birthday Conference on Gravity and Black Holes held at Centre for Theoretical Cosmology, Cambridge, July 2-5, 2017https://www.youtube.com/watch?v=jP1_55OijFI

V11 JB. Hartle, The Impact of Cosmology on Quantum Mechanics. multiple places in Brazil.. (.https://www.youtube.com/watch?v=vzBwtezWW underscore w)


NOTE: Starting with 161 approximately 1916 he author stopped seeking to publish his single author articles in journals and published in arXiv.

ABSTRACTS


1. Slowly Rotating Relativistic Stars VII: Gravitational Radiation from the Quasi-Radial Modes (w/ K.S. Thorne)