

de Sitter: Swampland, wave functions and wormholes

Monday 17 April 2023 16:00 (1 hour)

I will first discuss briefly the status of dS space in string theory and related Swampland insights. I will attempt to draw connections between discussions on dS space in quantum cosmology to the Swampland and string theory. In doing so I will describe a proposal for a top-down de Sitter construction, and how it differs from the Hartle-Hawking state. I will end with a discussion about Euclidean wormholes in dS space, which seems somewhat better understood than Euclidean wormholes in flat or AdS space.

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