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Diophantine approximation as Cosmic Censor for AdS black holes

I will show an intimate connection between Diophantine approximation (associated to a small divisors problem) to the behavior of linear waves on black hole interiors with negative cosmological constant $\Lambda < 0$. We explore the consequences of this for the C^0-formulation of Strong Cosmic Censorship and how its validity may change in an unexpected way according to the notion genericity imposed.