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## Fossil Primordial gravitational waves with a Generalized initial state

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The fossil relic of primordial gravitational waves in the anisotropic curvature two-point function can be significantly more observable if there is a non-Bunch Davies component to the initial state of the scalar (and tensor) fluctuations during inflation. This signature is complementary to other observational signatures of initial states with an enhanced squeezed limit.

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