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## Superconformal approach to N=4 supergravity

*Monday, 23 August 2021 14:10 (40 minutes)*

In this talk I will start with a brief introduction of N=4 supergravity and the known results about the anomalies and divergences of N=4 supergravity in the literature. From there I will motivate the necessity for studying N=4 supergravity from the superconformal approach and discuss a systematic way to construct N=4 conformal supergravity. Then I will discuss how to use the superconformal results in the construction of N=4 Poincare supergravity with higher derivative corrections which would be relevant from the point of view of the above mentioned study of anomalies and divergences in N=4 supergravity. I will end with some future directions.

**Primary author:** SAHOO, Bindusar (IISER, India)

**Presenter:** SAHOO, Bindusar (IISER, India)

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