

## **Cantorvals. Guthrie- Nymann- Saenz classification theorem**

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During my speech I will present the Guthrie- Nymann- Saenz theorem, which classifies- up to homeomorphism- the sets of subsums of absolutely convergent series. The problem of analytic characterization of those topological types has not been solved completely. Until today we do not know if the set of subsums is the Cantor set or the Cantorval, knowing just the terms of the series. The multigeometric series are the only family of series which behaviour we understand to a large degree, but nevertheless not in full yet.