Contribution ID: **17**   Type: **Talk/Seminar**

Conformally recurrent heavenly spaces

Monday 23 September 2019 17:30 (20 minutes)

Two-sided conformally recurrent complex and real 4-dimensional spaces are considered. It is proved, that such spaces are equipped with nonexpanding congruence of totally null and geodesic 2-dimensional surfaces, null strings. Two-sided conformally recurrent heavenly spaces of the Petrov-Penrose type [D] are considered. Also, some real slices of type [D] heavenly metric are discussed.

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Session Classification: Parallel Sessions

Track Classification: Parallel Sessions