

Institut Ruđer Bošković
ZAVOD ZA TEORIJSKU FIZIKU
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ZAGREB, HRVATSKA

SEMINAR ZAVODA ZA TEORIJSKU FIZIKU

(Zajednički seminari Zavoda za teorijsku fiziku,
Zavoda za eksperimentalnu fiziku i Zavoda za teorijsku fiziku PMF-a)

**New way of generating gauge symmetries,
e.g. Tensor Field Gravity**

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Sažetak:

Imposing a constraint on a field theory (from outside, or of special sort to be explained) there will a priori occur inconsistency with the equations of motion in general. But now we may considering Noethers second theorem and allow ourselves to adjust the coupling constants. Then a gauge symmetry will have to appear. This method of obtaining/deriving gauge symmetry can be used in several examples: electrodynamics, Yang Mills theory, and finally starting from a tensor field gravity (with diffeomorphism invariance).

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