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## On the dynamical detail of boundary conditions in GUTS

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In this talk I propose to discuss new insights as to the interconnection of initially apparently independent and distinct types of gauges:

- a) Charge-like gauges, obtained from local current-densities, with space-integrals of dimension charge, i.e. dimensionless.
- b) gauges of orientation, reducible to a dimensionless metric tensor  $g_{\{\mu\nu\}}(x)$  and associated with Riemann-tensor combinations of dimension mass-square or equivalently inverse length, using rational units :  $\hbar = c = 1$ .

The causality and locality structure of the orientation gauges [of type b)] is serving as fundamental fields, whereas charge-like gauges [a)] are to be eliminated.

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