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A dodecalogue of basic didactics from applications of abstract differential geometry to quantum gravity. (English) Zbl 1188.83076

Summary: We summarize the twelve most important in our view novel concepts that have arisen, based on results that have been obtained, from various applications of Abstract Differential Geometry (ADG) to Quantum Gravity (QG). The present document may be used as a concise, yet informal, discursive and peripatetic conceptual guide-cum-terminological glossary to the voluminous technical research literature on the subject. In a bonus section at the end, we dwell on the significance of introducing new conceptual terminology in future QG research by means of ‘poetic language’.

MSC:
83D05 Relativistic gravitational theories other than Einstein’s, including asymmetric field theories
83C45 Quantization of the gravitational field

Keywords:
Abstract differential geometry; Quantum gravity; Poetry

Full Text: DOI

References:

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