

PETROV NONCOMMUTATIVE TOPOLOGICAL
QUANTUM FIELD THEORY

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S u m m a r y

This paper gives a definition of category **NC-Einst** of noncommutative Einstein spaces, and a Petrov noncommutative topological quantum field theory (NC TQFT) is constructed. We suggest extensions of these ideas which may be useful to further NC TQFT and apply it in higher dimensions.