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Non commutative cosomology

we develop and apply the WKB-type approximation to several examples
of noncommutative quantum cosmology, obtaining the time evolution of the noncommutative universe. This is accomplished by starting from a noncommutative quantum formulation of cosmology, where the noncommutativity is introduced by a deformation on the minisuperspace variables. This procedure gives a straightforward algorithm to
incorporate noncommutativity into cosmology and inflation.

Author: Dr MENA BARBOZA, ERI ATAHUALPA (Centro Universitario de la CIénega, Universidad de Guadalajara)

Presenter: Dr MENA BARBOZA, ERI ATAHUALPA (Centro Universitario de la CIénega, Universidad de Guadalajara)