

# On algebraic dependence of cosmological parameters

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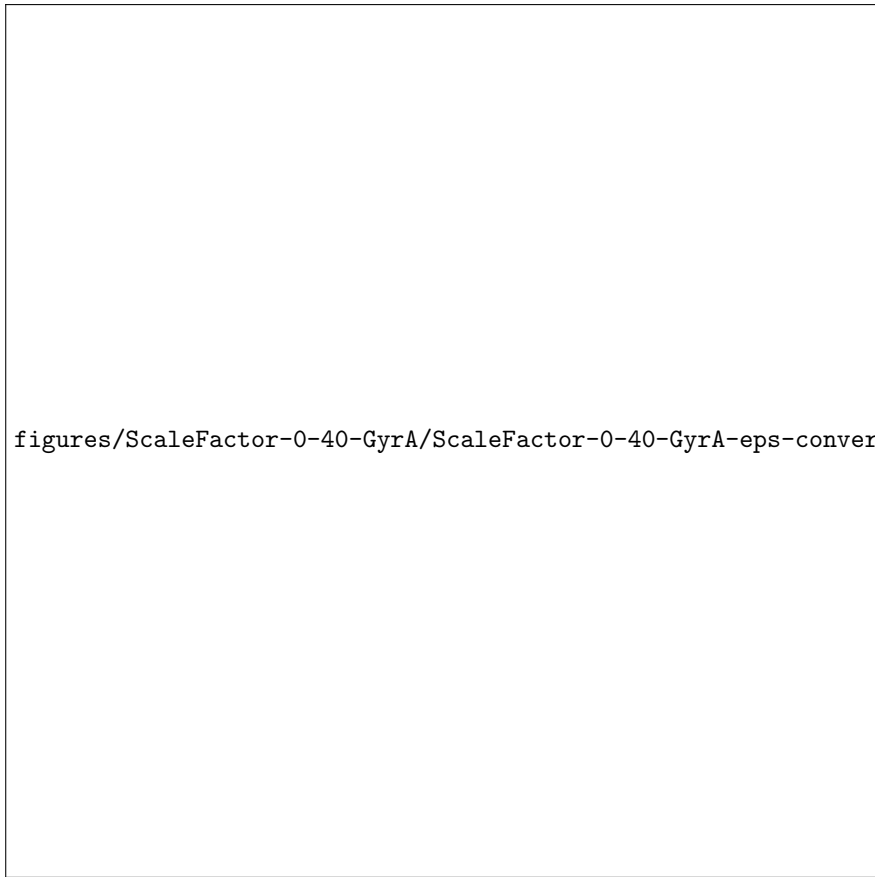
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## Abstract

We show that the inverse function of the scale factor  $a(t)$  can be represented as an elliptic integral with a parameter. Using algebraic dependencies between cosmological parameters and the obtained inverse function formula, we compute in a uniform way some special events in the universe's evolution.

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figures/ScaleFactor-0-40-GyrA/ScaleFactor-0-40-GyrA-eps-converted-to.pdf