



The fuzziness of Jupiter's core: linking formation and evolution models

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Juno data can be used to better constrain Jupiter's internal structure and origin. First, we present Jupiter's primordial internal structure based on formation models and show that Jupiter's core might not be distinct from the envelope, and that the deep interior can have a gradual heavy-element structure. Second, we explore how such a primordial (non-adiabatic) interior affects Jupiter's long-term evolution. Finally, we will discuss the link between these formation and evolution models and Jupiter's current-state internal structure.