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String Landscape and Supernovae Ia

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If the string landscape has any validity, the universe has in the past and should in the future make transitions to other local (or absolute minima). A prime model for the physics of a future universe is the minimal supersymmetric standard model or one of its variations with all susy breaking terms put to zero. If we assume that this transition is accelerated in dense matter, some aspects of supernovae Ia which are challenging to the standard accretion picture can be naturally explained.

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