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Dark energy and braneworlds

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Model building based on string compactifications faces difficult challenges: moduli can be tricky to stabilize, scales to separate, dark energies to uplift and supersymmetry to break in a controlled fashion. String theories where the latter is broken at the string scale can offer different corners of the landscape to explore, with different pros and cons. I will describe how the instabilities of these models leave room for potentially realistic braneworld cosmologies, focusing on the simplest known examples.

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