

Chapter 3: Branes

Joe Polchinski



Membranes or "Branes"



0-brane



1-brane



2-brane

Membranes or "Branes"



0-brane

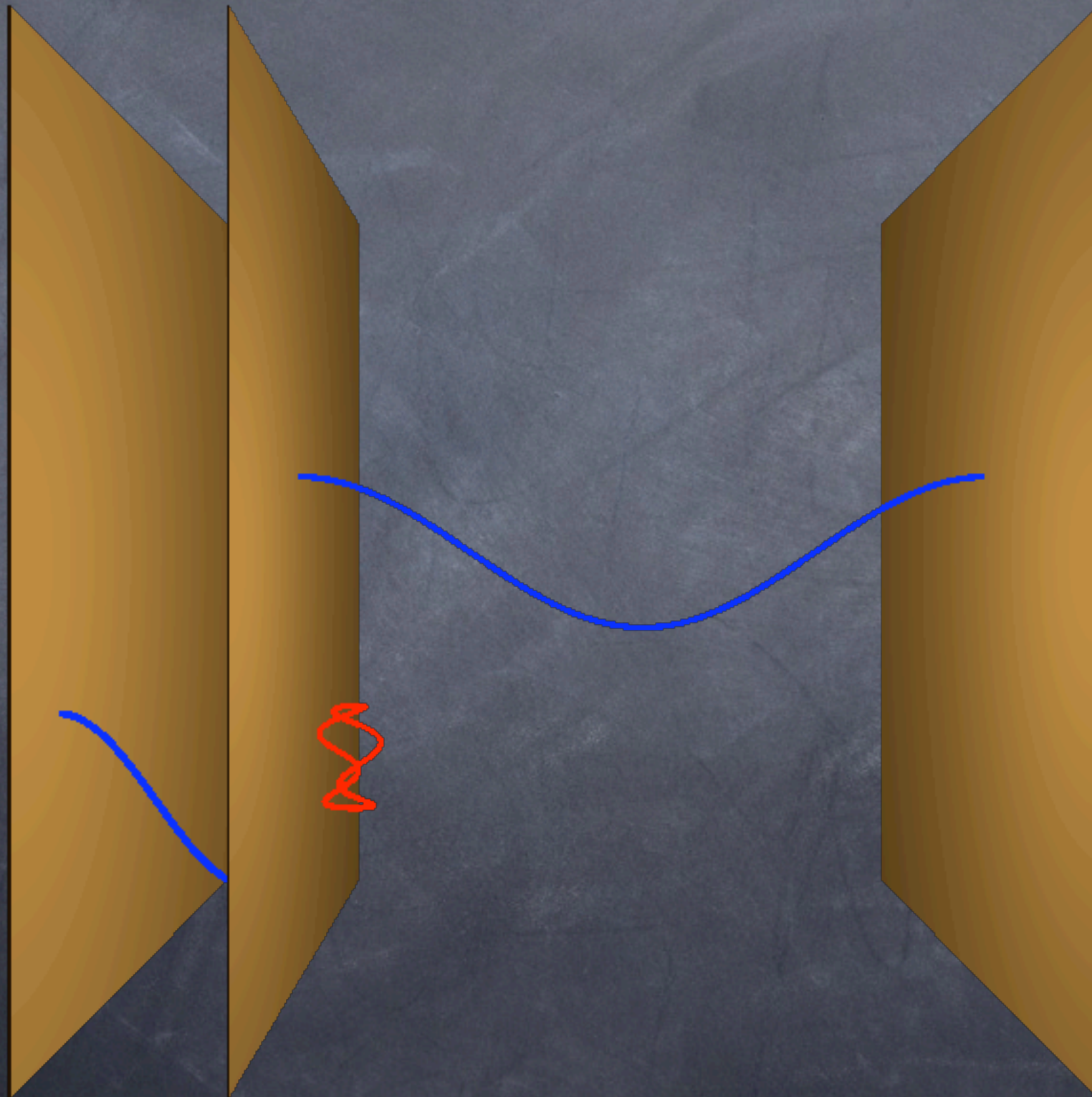


1-brane

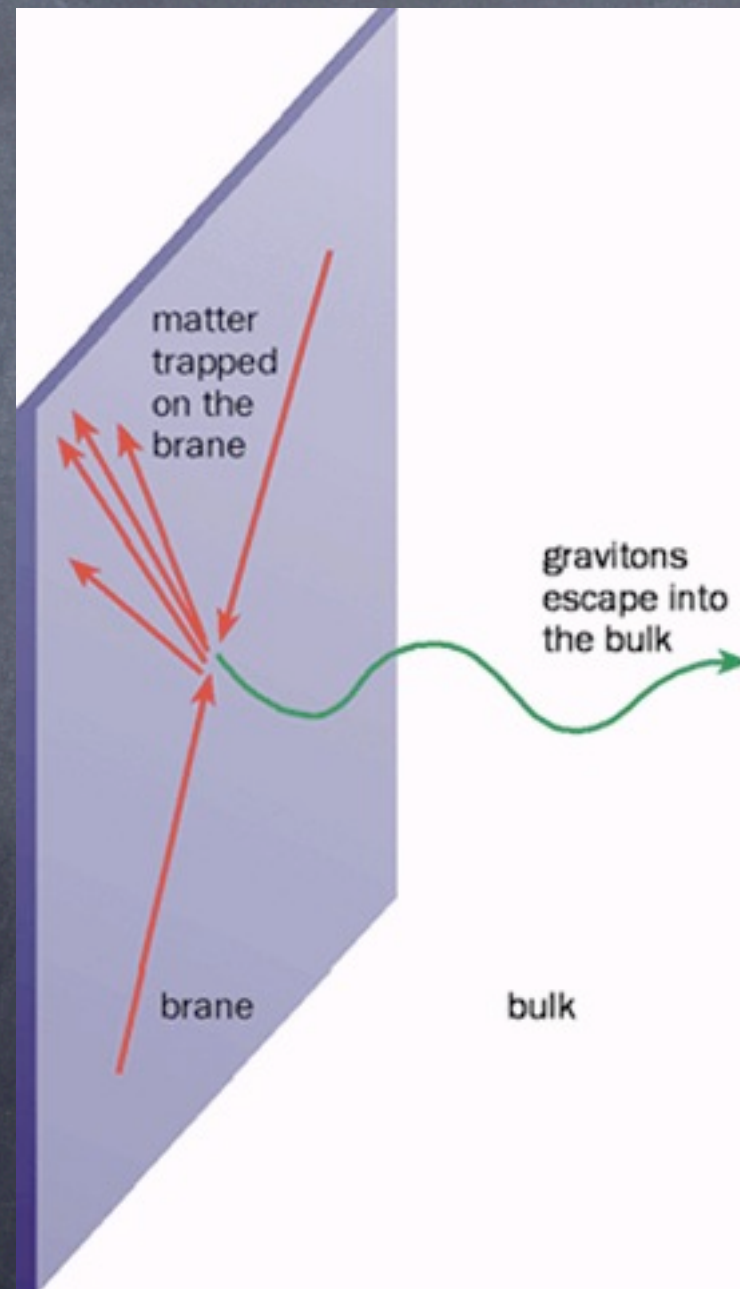


2-brane

Membranes or "Branes"



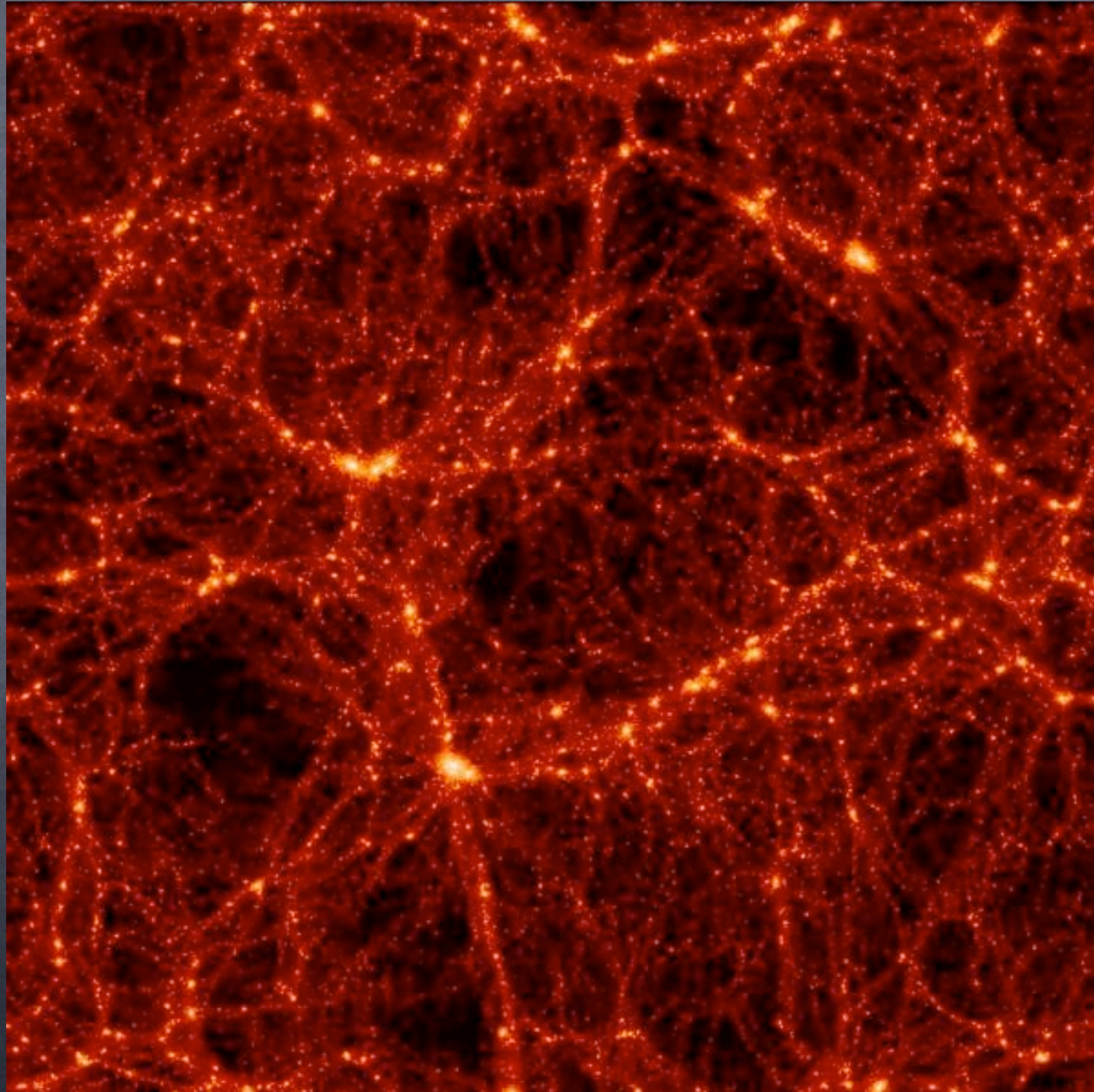
Trapped on a Brane



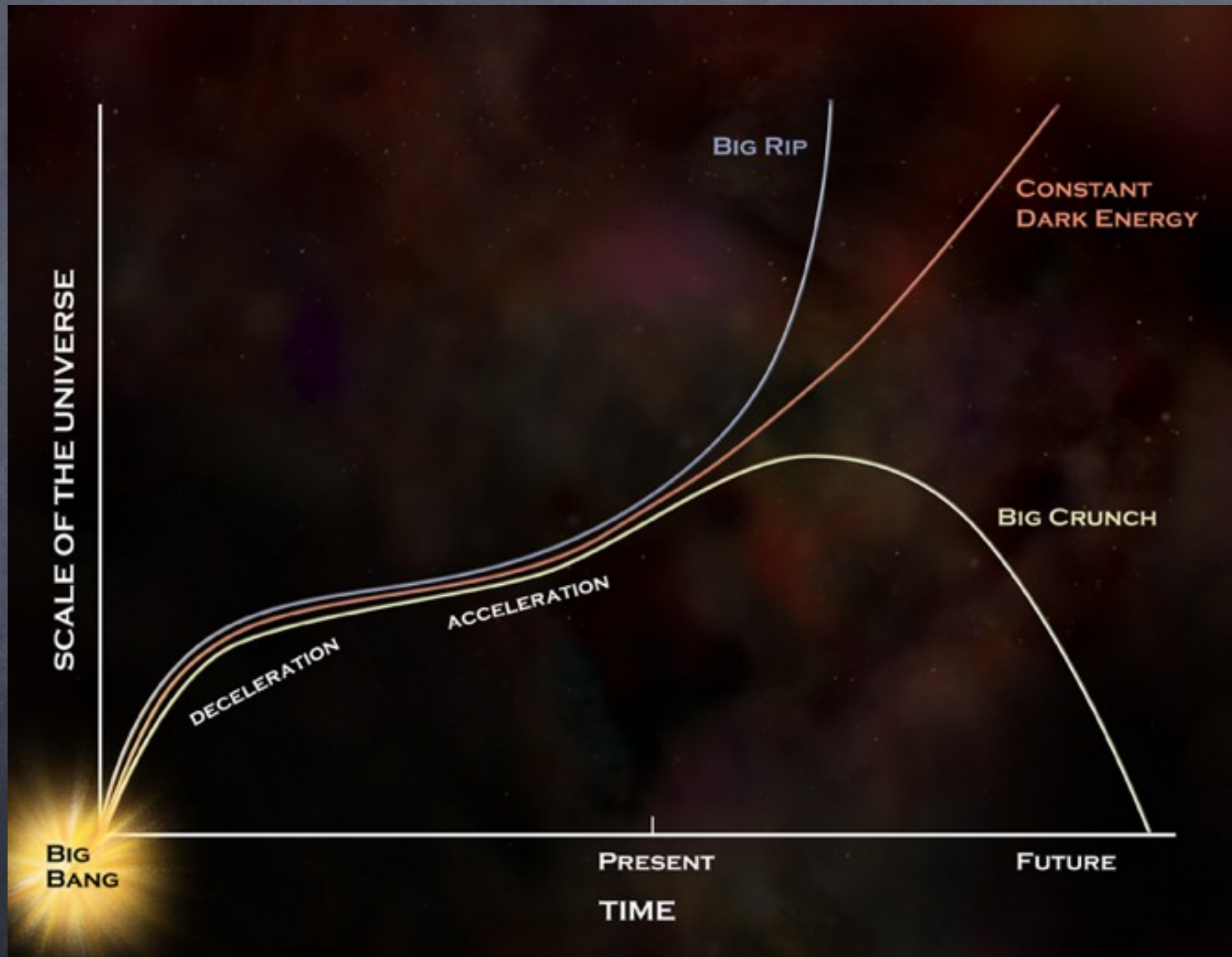
Edge of the Universe



Dark Matter



Dark Energy



Content of the Universe

