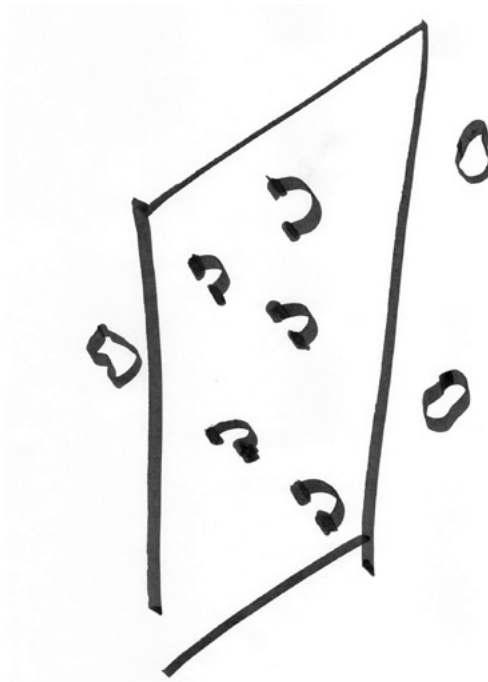


Braneworld

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Einstein unified space and time into spacetime, and established special and general theories of relativity. In relativity, spacetime does not have to be four dimensions. Actually, many unified theories such as superstring theory assume more than four dimensions. In this case, our universe might be an object like membrane, called brane, floating in higher dimensional spacetime. This view of the universe is called braneworld.



$$[K^{\mu}_{\nu} - K \delta^{\mu}_{\nu}] = -\kappa^2 S^{\mu}_{\nu}$$