

Quantum  
Physics

## Faithful

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# Squashed Entanglement

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*(Submitted on 8  
Oct 2010)*

Squashed  
entanglement  
is a  
measure

for the  
entanglement  
of  
bipartite  
quantum  
states. In  
this  
paper  
we  
present  
a lower  
bound  
for  
squashed  
entanglement  
in terms  
of the  
LOCC  
distance  
to the  
set of  
separable  
states.  
This  
implies  
that  
squashed  
entanglement  
is