

## Quantum Physics

### Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

Current browse context:

[quant-ph](#)

[< prev](#) | [next >](#)

[new](#) | [recent](#) | [1011](#)

### References & Citations

- [SLAC-SPIRES HEP](#)  
([refers to](#) | [cited by](#))
- [NASA ADS](#)

Bookmark([what is this?](#))



**Comparison  
of  
analytical  
and  
numerical  
methods  
and the  
effect of  
bath  
coupling  
on the**

# quantum decoherence

Peihao Huang,  
Hang Zheng,  
Keiichiro Nasu

*(Submitted on 3  
Nov 2010)*

The  
dynamics  
of a  
qubit in  
a  
structured  
environment  
is  
investigated  
theoretically.

One  
point of  
view of  
the  
model is  
the spin-  
boson  
model  
with a  
Lorentz  
shaped  
spectral  
density.

An