Condensed Matter > **Disordered Systems** and Neural **Networks**

Download:

- **PDF**
- Other formats

Current browse context:

cond-mat.dis-nn

< prev | next > new | recent | 1010

Change to browse by:

cond-mat nlin nlin.AO

References & Citations

NASA ADS

Bookmark(what is this?)















Sandpile cascades on interacting tree-like networks

Charles D.

Brummitt,

Raissa M.

D'Souza,

Elizabeth A.

Leicht

```
(Submitted on 2
Oct 2010 (v1), last
revised 7 Oct 2010
(this version, v2))
```

The vulnerability of an isolated network to cascades is fundamentally affected by its interactions with other networks. Motivated by failures cascading among electrical grids, we study the Bak-Tang-Wiesenfeld sandpile

model

on two