



Volume 8, Issue 4, Article 112

## On Some Maximal Inequalities for Demisubmartingales and $N$ -demisuper Martingales

**Authors:** [B.L.S. Prakasa Rao](#),

**Keywords:** Maximal inequalities, Demisubmartingales,  $N$ -demisupermartingales.

**Date Received:** 20/08/07

**Date Accepted:** 17/09/07

**Subject Codes:** Pri 60E15; Sec 60G48.

**Editors:** [Neil S. Barnett](#),

**Abstract:** We study maximal inequalities for demisubmartingales and  $N$ -demisupermartingales and obtain inequalities between dominated demisubmartingales. A sequence of partial sums of zero mean associated random variables is an example of a demimartingale and a sequence of partial sums of zero mean negatively associated random variables is an example of a  $N$ -demimartingale.



[Download Screen PDF](#)



[Download Print PDF](#)



[Send this article to a friend](#)



[Print this page](#)

search

[\[advanced search\]](#)

copyright 2003

[terms and conditions](#)

[login](#)