

## TABLE DES MATIERES

### D.L. BURKHOLDER : "EXPLORATIONS IN MARTINGALE THEORY AND ITS APPLICATIONS"(\*)

1. Introduction	3
2. Searching for the best : An example	9
3. Differential subordination of martingales	15
4. On the number of escapes of a martingale	23
5. Differential subordination of harmonic functions	27
6. Sharp probability bounds for real martingales	30
7. On the number of escapes of a harmonic function	34
8. A sharp exponential inequality	35
9. A one-sided exponential inequality	48
10. On superreflexivity	50
11. More sharp inequalities for the square function	56
12. On the optimal control of martingales	58
Appendix	59
References	61