

1. Record Nr.	UNINA9910483753603321
Autore	Roynette Bernard
Titolo	Penalising Brownian paths // Bernard Roynette, Marc Yor
Pubbl/distr/stampa	Berlin, : Springer, c2009
ISBN	3-540-89699-6
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XIII, 275 p.)
Collana	Lecture notes in mathematics, , 0075-8434 ; ; 1969
Classificazione	MAT 604f MAT 605f MAT 607f SI 850 *60-02 17,1 31.70 60-06 60F99 60G30 60G44 60J25 60J55 60J65
Altri autori (Persone)	YorMarc
Disciplina	530.475
Soggetti	Brownian motion processes Martingales (Mathematics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Some penalisations of theWiener measure -- Feynman-Kac penalisations for Brownian motion -- Penalisations of a Bessel process with dimension $d(0 < d < 2)$ by a function of the ranked lengths of its excursions -- A general principle and some questions about penalisations.
Sommario/riassunto	Penalising a process is to modify its distribution with a limiting procedure, thus defining a new process whose properties differ somewhat from those of the original one. We are presenting a number

of examples of such penalisation in the Brownian and Bessel processes framework. The Martingale theory plays a crucial role. A general principle for penalisation emerges from these examples. In particular, it is shown in the Brownian framework that a positive sigma-finite measure takes a large class of penalisations into account.
