

MARTINGALE LOCAL METHODS FOR SPECIFYING SCALAR NATURAL EVAPORATION

L. Kabeya Mukeba[†]

ESU/I.S.T.S., Kinshasa, RD Congo

[†] E-mail: *l_y_m_kabeya@hotmail.com*

A classical theory of evaporation has been extend to the case of convection flow spectral; several attempts have been made for taking in account of relative humidity. Although evaporation is known a function of temperature, humidity, air velocity and a global radiation. The attractiveness of interaction of solid-vapor and solid-liquid is due to the random relative distribution.

In this paper shows how to identify scalar pinning from discrete-time data : the stationary density and a conveniently chosen eigenfunction pair of condition expectation random operator over a unit interval of time. This simple and original construction implied by a scalar evaporation model no only. discrete-time Markov process, but Martingale in Sobolev Space. An agreement is obtained in advanced theoritical, numeric natural simulation and experimentals on laboratory. One difficult, It is not aware of full characterisations of eigenfunctions of the generators of such processes.