1044-35-33   **Igor Neygebauer*** (`newigor52r@yahoo.com`), Department of Applied Mathematics, National University of Rwanda, Butare, BP56, Rwanda. *Method of Green's functions and MAC solutions.*
The Green's functions in PDE have usually singularities. The MAC solution for the Green's functions can be obtained. These MAC solutions do not have singularities, which create numerical difficulties and physical contradictions. The Green's function in the method of Green's functions is replaced by the transformed function to obtain the MAC solution of the problem. (Received July 08, 2008)