

1056-90-608

Abebaw Tadesse* (atadesse@lunet.edu), P.O.Box 126, Langston, Oklahoma, Langston, OK 73050, and **Franklin Fondjo Fotou**, OK. *Applications of Ensemble based Simulated Annealing to Intensity Modulated Radiation Therapy Planning(IMRTP)*. Preliminary report.

In this talk, We will present preliminary results on the testings on the applications of Ensemble based simulated annealing algorithms on 2D- Dimensional Intensity Modulated Therapy Planning(2D-IMRT) on two artificial 2D geometries. In the end, current progress and future directions on 3D-IMRT and parallel Simulated annealing will also be discussed. (Received September 14, 2009)