

Juan Carlos López Alfonso

INTERDISCIPLINARY MATHEMATICAL INSTITUTE (IMI), COMPLUTENSE UNIVERSITY OF MADRID, SPAIN

e-mail: jc.atlantis@gmail.com

Dr. Miguel A. Herrero

INTERDISCIPLINARY MATHEMATICAL INSTITUTE (IMI), COMPLUTENSE UNIVERSITY OF MADRID, SPAIN

Dr. Luis Nunez

RADIOPHYSICS DEPARTMENT, HOSPITAL UNIVERSITARIO PUERTA DE HIERRO, MAJADAHONDA, SPAIN

Some Mathematical Problems in Radiotherapy

Determining the optimal distribution of radiation over a target and selecting the best manner to deliver it are two key issues in radiotherapy. In this lecture, I shall describe recent results on optimizations methods aimed at addressing these goals, and some examples of application of these techniques will be presented.