

DETERMINATION OF THE DYNAMIC AGE FOR THE NEBULA USING IRIS TECHNIQUE

SUNDUS A. ABDULLAH ALBAKRI¹ & LOAY K. ABOOD²

¹Department of Astronomy and Space, College of Sciences, University of Baghdad, Baghdad, Iraq

²Department of Computers, College of Sciences, University of Baghdad, Baghdad, Iraq

ABSTRACT

The Nebulae are astronomical objects made up primarily of gaseous materials. The objects consisting of an expanding glowing shell of ionized gas ejected during the last phases of stellar evolution. In this paper the physical size of the main shell has been calculated by consider the IRIS technique. Six Nebulae are presented in this paper at different times of observations. Also the dynamic age of Nebulae are calculated and compared with the previous studies. The computed results of the physical size and dynamic age are in qualitative agreement with observations.

KEYWORDS: Nebulae, Stellar Evolution, Dynamic Age