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An Automatic Two Axis Telescope Drive System

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AN AUTOMATIC TWO AXIS
TELESCOPE DRIVE SYSTEM

Submitted To The E.E.T. Department And Faculty
For Partial Graduation Requirements

By

John Agee

5/78

ABSTRACT

A technique for automatic tracking of celestial objects is presented incorporating phase locked loop (PLL) techniques, in conjunction with a telescope having right ascension and declination drives. This system will maintain the object of the observation in the center of the field of view for an indefinite period. The system was designed primarily for use in astrophotography. The observer using this system is allowed to perform other duties while the automatic tracking system follows the desired celestial object for the purpose of photography.

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