QUASAR MICROLENSING AND DARK MATTER

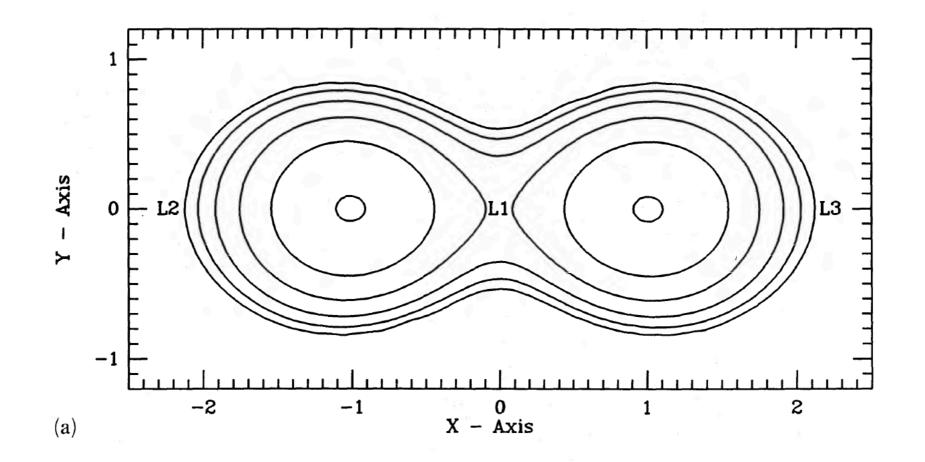
HANS-WALTER RIX AND CRAIG J. HOGAN Steward Observatory, University of Arizona Received 1987 September 30; accepted 1988 February 19

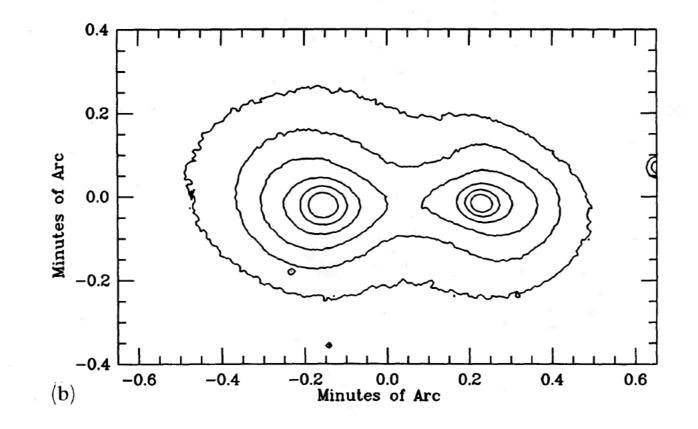
The dynamics of dumb-bell galaxies

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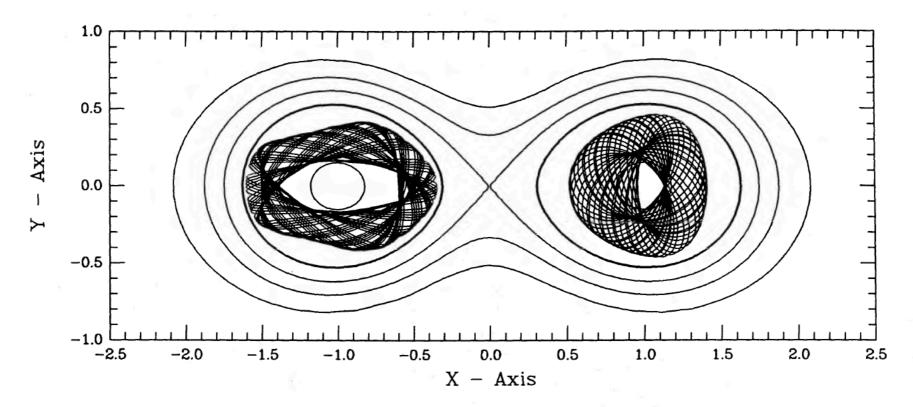
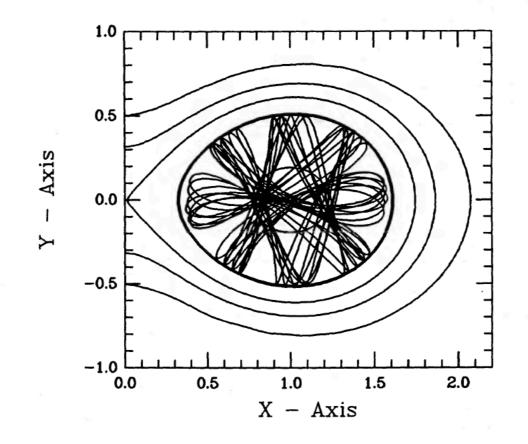
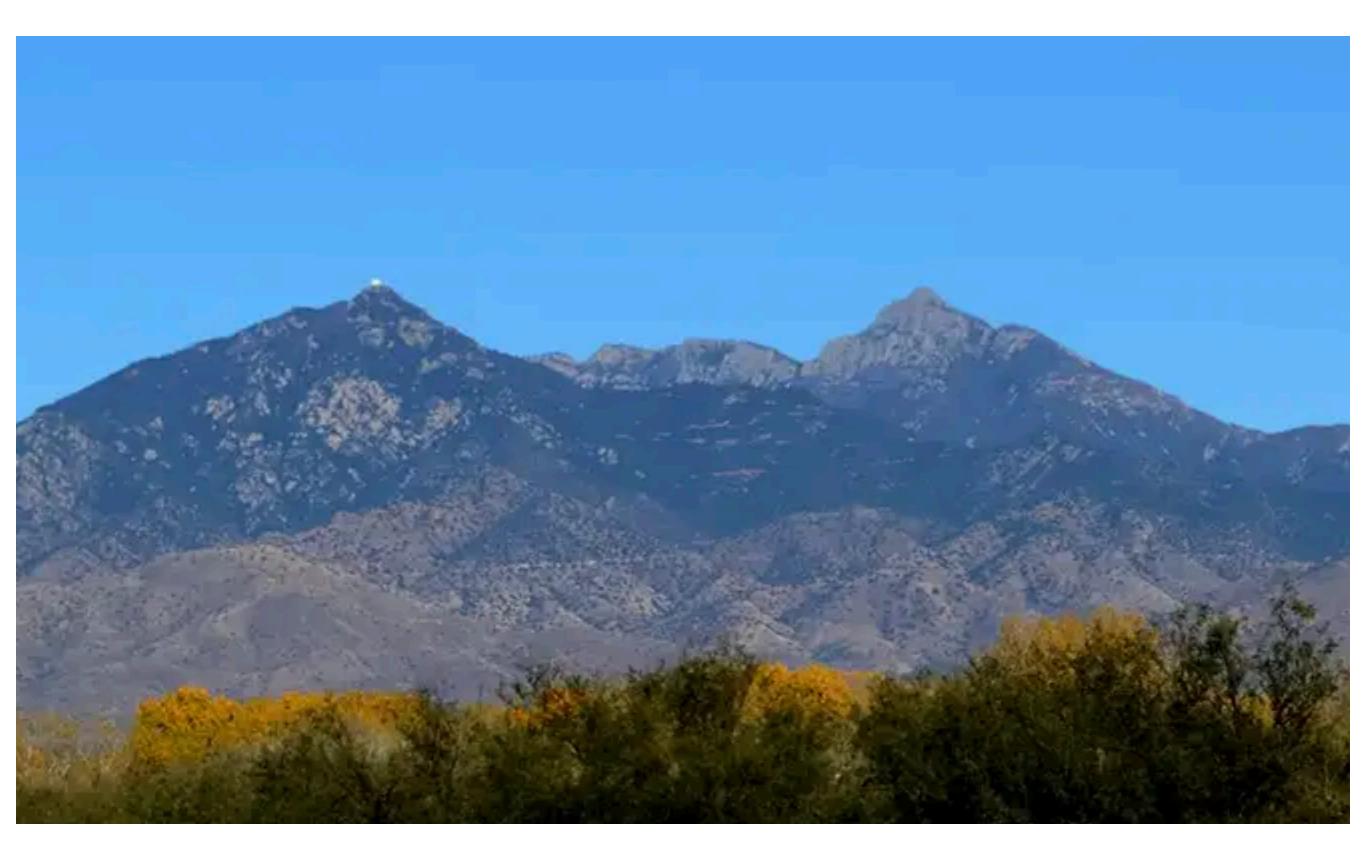


Figure 7. The left half of this diagram shows a prograde loop orbit in the equatorial plane (z=0) of the dumbbell potential. The underlying contours represent the pseudo-potential Ψ in the dumb-bell. The fat line shows the limiting contour $\Psi = E_{\rm J}$ (orbit). The right half shows a retrograde loop orbit of the same orbital 'energy' $E_{\rm J}$ (orbit).





DISK COMPONENTS IN EARLY TYPE GALAXIES

by

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Hans-Walter Reinhard Rix

A Dissertation Submitted to the Faculty of the

DEPARTMENT OF ASTRONOMY

In Partial Fulfillment of the Requirements For the Degree of

DOCTOR OF PHILOSOPHY

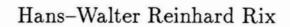
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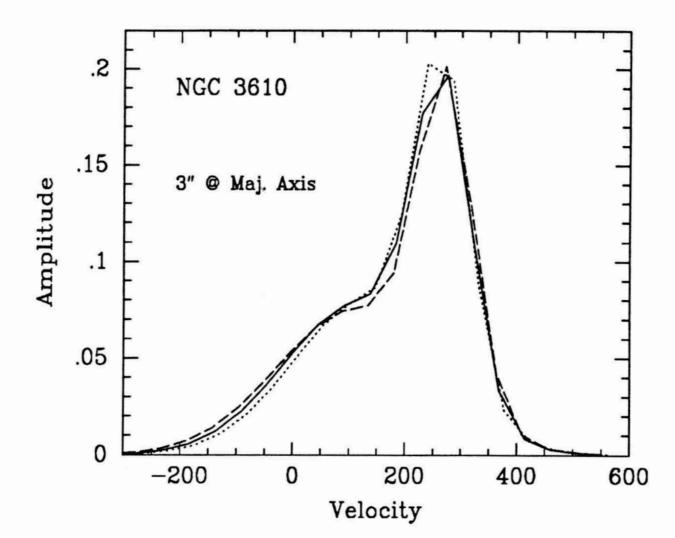
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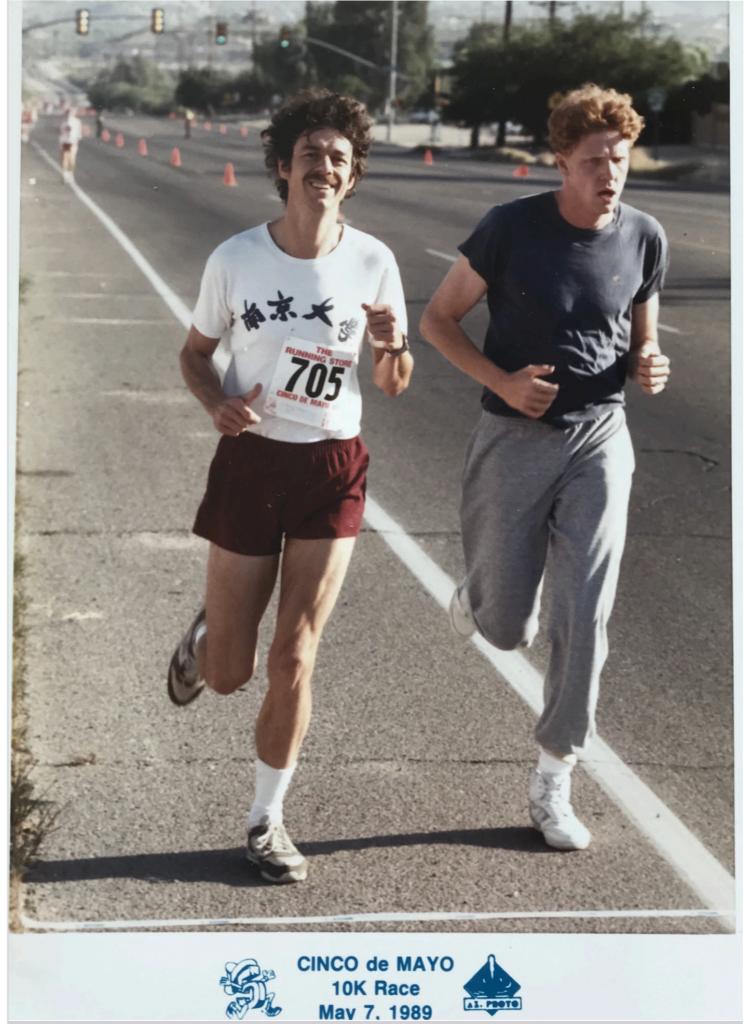
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Always notice when the cameras are switched on!