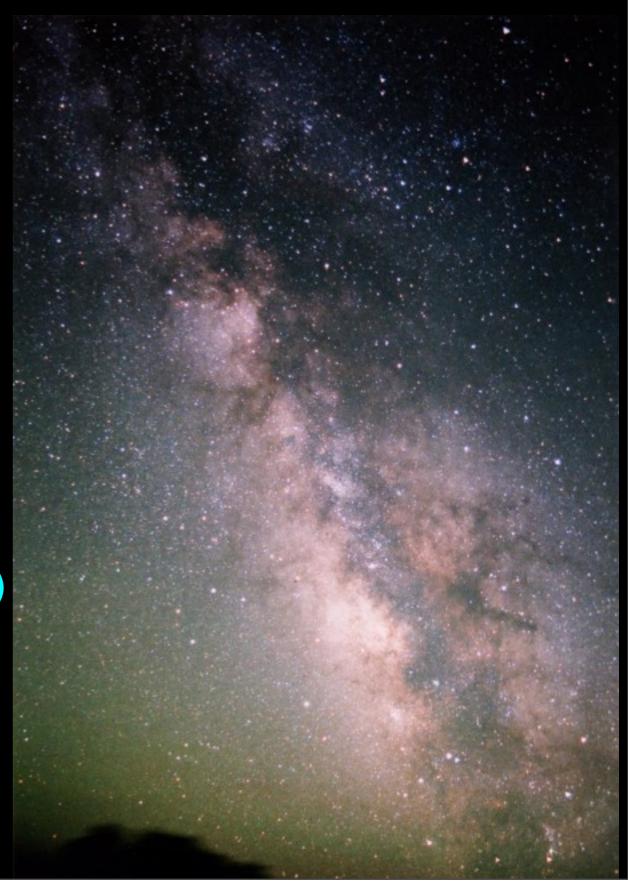
# Overview of the Milky Way Galaxy

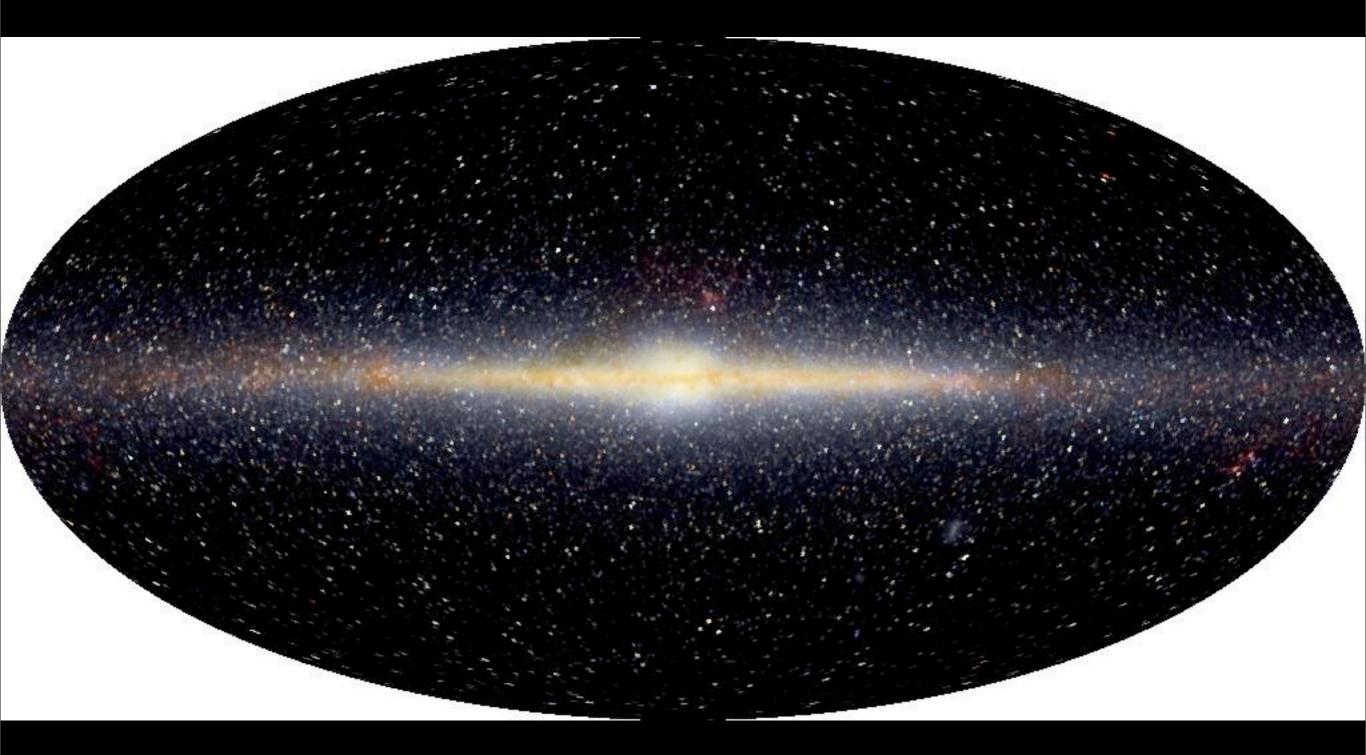
Luminous (stellar) Mass: 3x10<sup>10</sup> M<sub>sun</sub>

Dynamical Mass (total) 2x10<sup>12</sup> M<sub>sun</sub>

Number of Stars: ~10<sup>11</sup> stars (<m> = 0.3 M<sub>sun</sub>) Galaxy Type: Spiral (Sbc)



# Milky Way (infrared image)



# Andromeda Galaxy (M-31)

M-32 Satellite

> NGC 205 Satellite galaxy

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# M-104 (spiral with prominent bulge)

Photo: Russell Croman

#### NGC 2841 (4-band HST image)

# NGC 4710 (note box orbits in bulge)

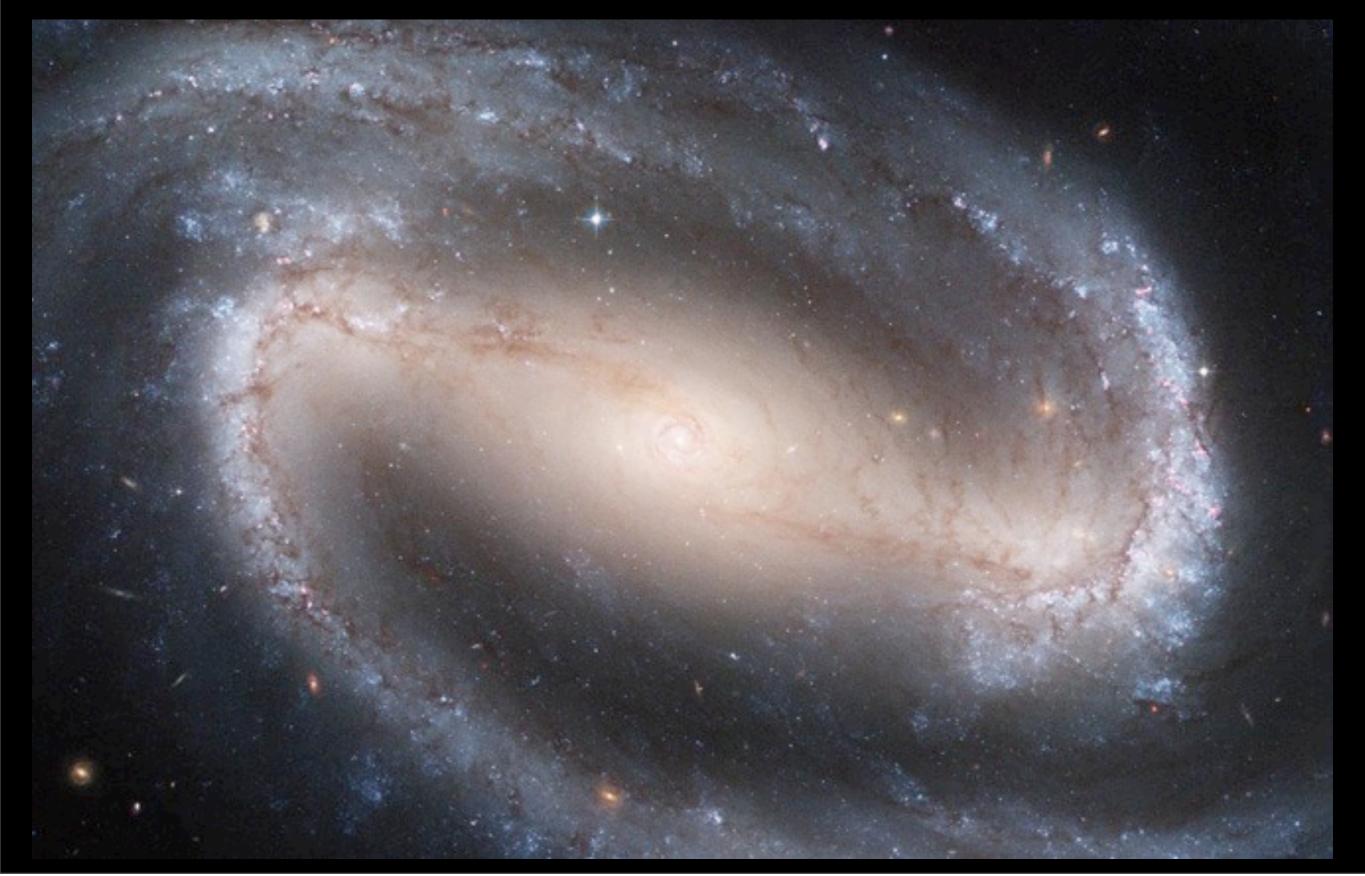
Envelope of "box orbits" appears as X-shape

NGC 5584 (Hubble Cepheid study)

#### Another Spiral Galaxy

### Edge-on Spiral (NGC 4013)

#### Barred Spiral (Hubble image)



#### NGC 1365 (largest barred spiral)

200,000 light yrs across (taken by ESA/La Silla I.5m telescope)



Two Micron All Sky Survey

# Leo I Dwarf

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# Sagittarius Dwarf

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