## 4/3/06

Test 3, this Friday, review sheet posted today Review Session Thursday, 5PM RLM 4.102 Chapter 7 - SN 1987A Chapter 8, Sections 1, 2, 5, 6, 7, 10 - Neutron Stars Chapter 9, Sections 1, 2, 3, 4, 5 - Black Holes

## News:

Pic of the day; cosmic dust in corona australis





*3 D gravitating space is not a "cone;"* that is just an artifact of the 2 D embedding diagram.

Real 3 D space around gravitating objects has the properties:

 $C < 2\pi R$ 

 $\Delta$  not equal 180°

// lines cross

light is deflected (this one has been experimentally verified)

## One Minute Exam

Compared to the two-dimensional surface of a balloon, the inside is:

- A) A two-dimensional hyperspace
- B) A three-dimensional hyperspace
- C) A four-dimensional hyperspace
- D) Accessible to a two-dimensional creature



