Astronomy 230

Section 1- MWF 1400-1450 106 B1 Eng Hall

This Class (Lecture 32):

Brad Rockwell Sean Boyer Patrick Sawica

HW #6 is due on Nov 19th!

Next Class:

Dan Kirsoroff Adam Wold Lynn Nguyen

Music: The Universe is You - Sophie Ellis-Bextor

Nov 10, 2004

Nov 10, 2004

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HW #6 - Due on Nov 19th



Write down the Drake equation and a personal estimate on the number of civilizations with which we can communicate today. For each term write 2-4 sentences on why you picked the value. You **must** give reasons from class (facts) in order to get credit for the value. Try to comment on the limits (upper and lower) of the term? What are they? Why? Do you think the term is well known, based on class discussions? Why or why not?

Compare your result with HW #1 and class value.

Drake Equation







= 69,525



















of advanced civilizations we can contact

Rate of star formation Fraction of stars with planets

of Earthlike planets per system

Fraction Fraction on which that evolve life arises intelligence

Fraction communicate

Lifetime of advanced civilizations

25

0.34

.396

0.54

.425

100000

stars/

systems

life planets

life intelligence

years

yr

/star

/system

/planet

/life /comm.

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