

Physics 102 - September 2, 2009

Much of this course will cover the (conceptual) background necessary to understand modern ideas about the multiverse. Here I do a blistering overview ... which may not make much sense until later in the course. Think of it as a preview of exciting things to come!

I will present two Multiverse TAXONOMIES
(categorizations)

1) Manly's Populist TAXONOMY

Based on how universes separated w/in the multiverse

2) Tegmark's TAXONOMY

More formal - Max Tegmark

Manly's Populist Taxonomy described in
file by that name on

Blackboard → Course Materials → reading folder

Can also find "Shut up and Calculate" by Max Tegmark
in the same folder

This is a brief description of Tegmark's Multiverse Taxonomy

→ Did not discuss on 9/2/09 — will discuss
on 9/9/09

Pick up a lead brick ...
usually a bit of a surprise
it is very heavy



In typical human experience things that are
the size of a brick are not that heavy.
Consequently, you are surprised.

The human experience/expectations bias
our opinions about what is possible and not
possible in our view of the universe.

Will come back to this on 9/9/09