

To Aleks, John and Gary from Stan Salthe, re: the two hierarchies

Folks -- In connection with criticism of a paper I'm trying to publish, it seems I need some further description connecting the two hierarchies. After I made it up, I thought I would send it to you guys since you also have an interest. So here's what I came up with (middle of the night!).

1. specification hierarchy used to model change

initiated by --> { immature --> { mature --> {senescent } } } --> entrained by
efficient cause **final causes**

**a developmental trajectory or
self-organizing self with an accumulating tradition**

2. at each stage we could discern the scale structure of nested cogent moments at three levels:



note that the focal (middle) level cogent moment increases in size relative to the large scale moment (clock time) --say, one minute. The small scale moment remains unchanged.

3. Looking further at the scale hierarchy:

