

Mathew Gacy  
Time and Free Will Ch 2  
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## Two Types of Multiplicity

- Discrete Multiplicities
  - Product, space, intensity, discrete, exact
  - Numerable
  - Possess a measure internal to itself; one unit may serve as measure for other parts.
    - Example of the internal metric of the ruler, where one portion may be used to measure any other.
  - Good for measuring things
  - Spatial
- Qualitative (Continuous) Multiplicity
  - Process, time, intensity
  - Non-Numerable
  - Derives its metrics elsewhere than in its spatial parts
  - Changes qualitatively as it unfolds
  - Heterogeneous
  - Good for describing some processes (those with thresholds)
    - Example: anger as continuous multiplicity with thresholds beyond which its qualities change
    - Language obscures these qualitatively different states; necessity of adjectives to specify

## *Bergsonism*

- Deleuze's Multiplicity
  - Deleuze appropriates Bergson's concept of multiplicity
    - Multiple as substantive, rather than predicate (ATP)
    - Before: Multiple usually a predicate applied to a many things and tied to unity
    - Breaks the tie between the multiple and unity, focusing on the multiplicity itself and what lets it cohere
      - Movement is analogous to Bergson in Ch 4 of Matter and Memory
      - Bergson emphasizes the substantiality of change, as opposed to it being the predicate of a thing
- Intensive and Extensive
  - Extensive Things
    - Bergson's Actual / Spatial
    - Subject to numerical measurement
  - Intensive Processes
    - Singularities

- Breaks in its unfolding where qualitative change appears.
- Example: heating water; qualitative change as random (Brownian) motion of molecules gives way to organized convection currents.
- Avoid using the terms of the product to discuss the process
  - Analogous to Marx on commodity fetishism
  - Qualities of product used to forget about the process by which it was produced.

## Bergson on Number

- Two Aspects of Number
  - Unity of Number
    - '4'
    - Object of symbolic manipulation: ' $4 = 8 / 2$ '
    - Ultimate unit
  - Multiplicity of Number
    - ' $1 + 1 + 1 + 1$ '
    - Multiple parts that may be considered separately
    - Provisional unit (the '1' iterated to compose 4, which may also be produced through iteration of '2')
- Distinction relative to task at hand

## Counting and Multiplicity

- Material objects localizable in space
- Affective psychic states
  - Internal states are associated with extensive causes

## Spatiality of Counting

- Counting always appears in space; iteration as spatial juxtaposition in ideal space

## Intuition (Pre-Reflective Awareness)

- Problem: reflective consciousness tied in with biological utility, sociability, language
  - Has its own affective inclination
    - (i.e. Reflective consciousness finds dynamic through repugnant)
- Nietzsche: beware the metaphysics of grammar with subject/object
  - Posits subject/object relations emphasizing things and actions instead of processes

## Two Relations to Space and Time (Animals vs. Man)

- Animals
  - Qualitative relation to space
  - An animal would never think of its burrow as in some homogenous space
- Humans

- Homogeneous relation to space
- Our conception is a reaction against our qualitative relation to space (96-7)
- He is one of the first to think in terms of evolutionary psychology

#### Straight Line Conception of Time

- Not the case in our real experience of life
- Space has trespassed onto our thought of ourself
  - 'ghost of space haunting reflective consciousness'

#### Ethical Dimension of Duration

- Duration experienced if the ego lets itself live
- Compose life as if it were a melody