

SUPPLEMENTARY NOTES

Extra Extra Credit (1-2-13)
Name of the ...
...

SUPPLEMENTARY NOTES

QUANTUM ROMANTICS.

YOU

$$|\heartsuit\rangle_Y \longrightarrow \text{"LOVES ME"} \quad \begin{pmatrix} 1 \\ 0 \\ 0 \end{pmatrix}$$

$$|\heartsuit\heartsuit\rangle_Y \longrightarrow \text{"LOVES ME NOT"} \quad \begin{pmatrix} 0 \\ 1 \\ 0 \end{pmatrix}$$

$$|\heartsuit\rangle_Y \longrightarrow \text{"IT'S COMPLICATED"} \quad \begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix}$$

$$|\heartsuit\rangle_Y = c_1 |\heartsuit\rangle_Y + c_2 |\heartsuit\heartsuit\rangle_Y + c_3 |\heartsuit\rangle_Y \quad \begin{pmatrix} c_1 \\ c_2 \\ c_3 \end{pmatrix}$$

emot-1 states.

ME

$$\hat{L}_M \longrightarrow \text{"I LOVE YOU"}$$

$$\hat{L}_M \longrightarrow \text{"I LIKE YOU"}$$

$$\hat{Q}_M \longrightarrow \text{"DO YOU LOVE ME"}$$

$$\hat{Q}_M \longrightarrow \text{"DO YOU LIKE ME"}$$

$$\hat{K}_M \longrightarrow [\text{KISS}] \sim$$

$$\hat{K}_M \longrightarrow [\text{KISS}] \cdot$$

love questions (operators).

ME \rightarrow YOU

$$\|\langle \heartsuit | \hat{L}_{M \rightarrow Y} | \heartsuit \rangle_Y\|^2 = ?$$

$$\|\langle \heartsuit | \hat{L}_{M \rightarrow Y} | \heartsuit \rangle_Y\|^2 = ?$$

$$\|\langle \heartsuit | \hat{Q}_{M \rightarrow Y} | \heartsuit \rangle_Y\|^2 = ?$$

$$\|\langle \heartsuit | \hat{Q}_{M \rightarrow Y} | \heartsuit \rangle_Y\|^2 = ?$$

$$\|\langle \heartsuit | \hat{K}_{M \rightarrow Y} | \heartsuit \rangle_Y\|^2 = ?$$

$$\|\langle \heartsuit | \hat{K}_{M \rightarrow Y} | \heartsuit \rangle_Y\|^2 = ?$$

$$\hat{L}_{Q_{M \rightarrow Y}}_{ij} = \langle \heartsuit_i | \hat{L}_{Q_{M \rightarrow Y}} | \heartsuit_j \rangle$$

measured probabilities.

100

$$|\psi\rangle = \frac{1}{\sqrt{2}}(|\uparrow\rangle + |\downarrow\rangle)$$

$$|\psi\rangle = \frac{1}{\sqrt{2}}(|\uparrow\rangle - |\downarrow\rangle)$$

$$|\psi\rangle = \frac{1}{\sqrt{2}}(|\uparrow\rangle + i|\downarrow\rangle)$$

$$|\psi\rangle = \frac{1}{\sqrt{2}}(|\uparrow\rangle + e^{i\theta}|\downarrow\rangle)$$

normalized states

100

$$|\psi\rangle = \frac{1}{\sqrt{2}}(|\uparrow\rangle + |\downarrow\rangle)$$

$$|\psi\rangle = \frac{1}{\sqrt{2}}(|\uparrow\rangle - |\downarrow\rangle)$$

$$|\psi\rangle = \frac{1}{\sqrt{2}}(|\uparrow\rangle + i|\downarrow\rangle)$$

normalized states

100

$$|\psi\rangle = \frac{1}{\sqrt{2}}(|\uparrow\rangle + |\downarrow\rangle)$$

$$|\psi\rangle = \frac{1}{\sqrt{2}}(|\uparrow\rangle - |\downarrow\rangle)$$

$$|\psi\rangle = \frac{1}{\sqrt{2}}(|\uparrow\rangle + i|\downarrow\rangle)$$

normalized states

normalized states

PRINCIPLE PARADOXES OF QR.

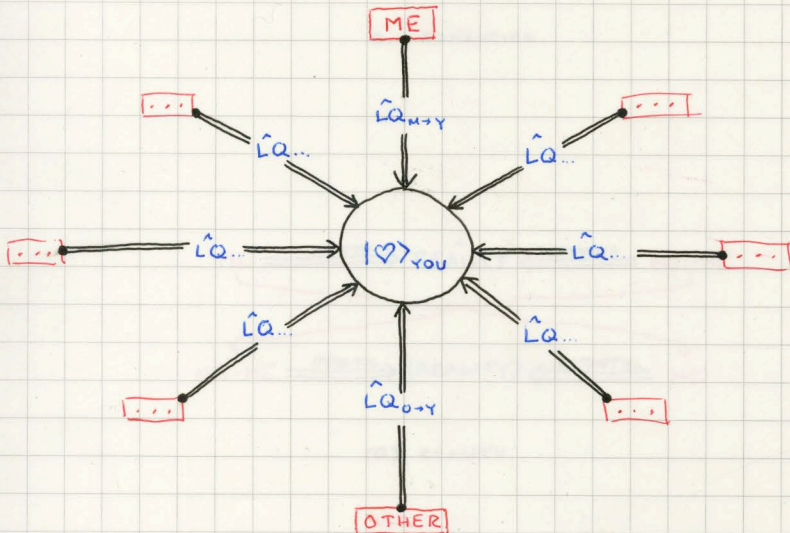
1. THE PRINCIPLE PARADOX OF INTERROGATIVE NECESSITY. (PP. IN)

$$\| |\heartsuit\rangle_y \|^2 = \text{UNDEFINED}$$

(the identity operator is experimentally meaningless.)

- i. LQs are necessary for ALL measurements of emot states.
- ii. emot states need not be normalized.
- iii. asked states must be normalized before calculating probability.

2. THE PRINCIPLE PARADOX OF SUBJECTIVITY. (PP. IN)



PRINCIPLE PARADOXES OF OR

1. THE PRINCIPLE PARADOX OF INTEGRATIVE PRESSURE (P. 11)

$$|< \text{love} >| = \text{undecided}$$

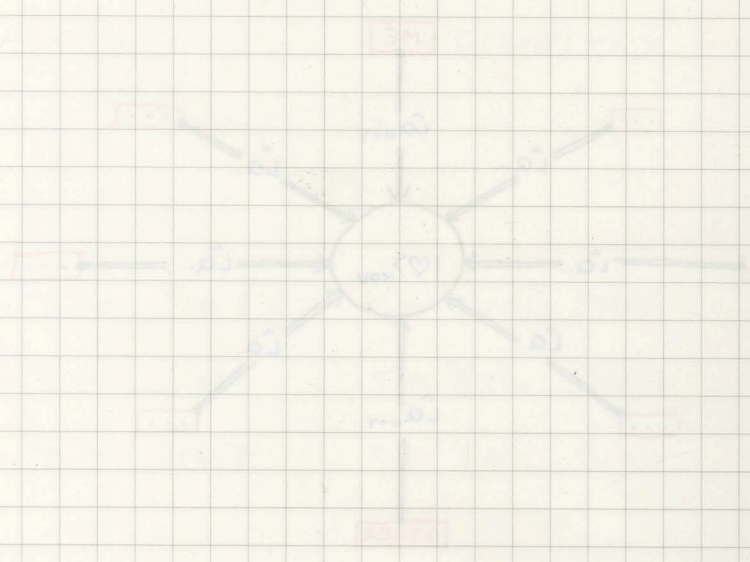
(The 'love' symbol is approximately horizontal)

i. For an increasing and decreasing measurement of love, there

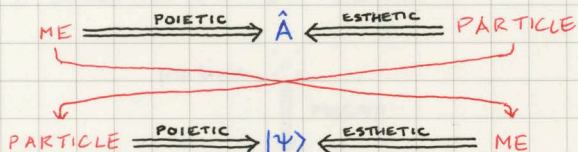
ii. some other need not be

iii. some other need to be

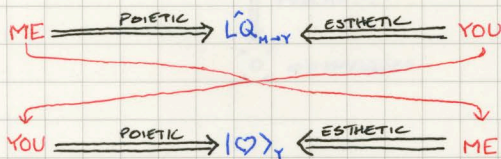
2. THE PRINCIPLE PARADOX OF SENSITIVITY (P. 11)



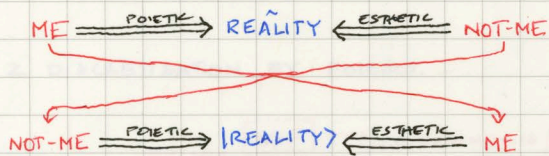
QUANTUM SEMIOTICS.



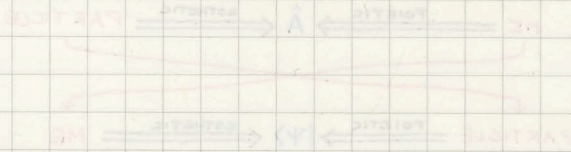
Q. MECHANICS.



Q. ROMANTICS.



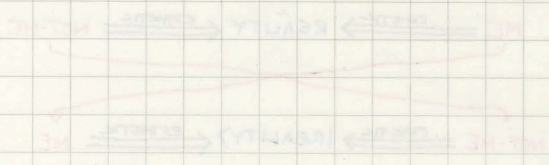
(Q.) REALITY.



2. MECHANICS



3. MECHANICS



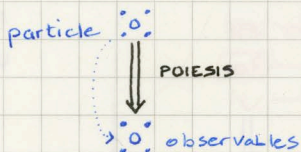
4. MECHANICS

ONTOLOGICAL CAUSALTY.

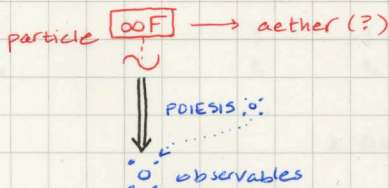
WHY IS REALITY ∞ AND \circ ?

QM.

1. DISCRETIZATION BY ORIGIN.

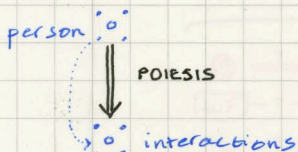


2. DISCRETIZATION BY POIESIS.

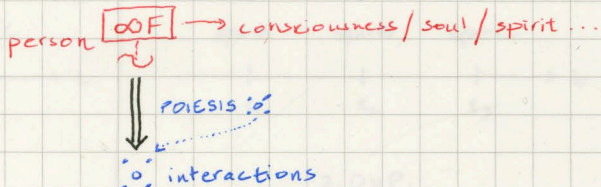


QR.

1. DISCRETIZATION BY ORIGIN.



2. DISCRETIZATION BY POIESIS.



ONTOGENETIC DEVELOPMENT

1. THE EARLY STAGES OF DEVELOPMENT

1.1. Fertilization and cleavage



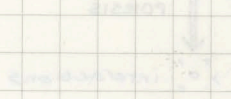
2. THE LATER STAGES OF DEVELOPMENT

2.1. Gastrulation and neurulation



3. THE FINAL STAGES OF DEVELOPMENT

3.1. Organogenesis and differentiation

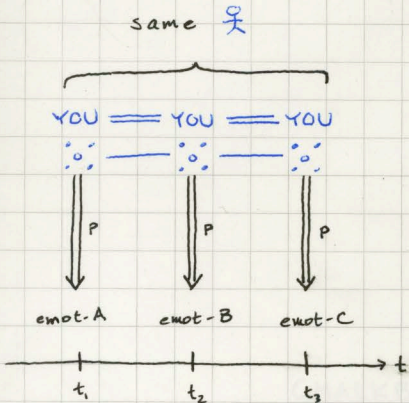


4. THE FINAL STAGES OF DEVELOPMENT

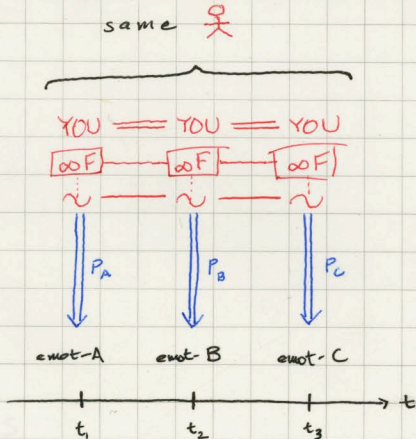


TEMPORAL MUTABILITY (THEORY OF CHANGE).

Q.R.

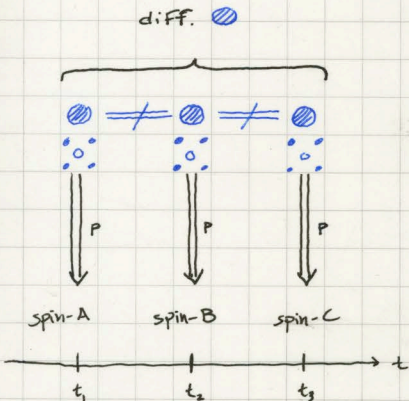


1. Dbo.

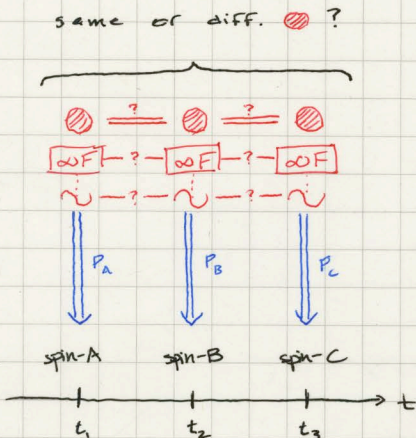


2. DbP.

Q.M.



1. Dbo.



2. DbP.