

UNIT 4 SCHEDULE

WEEK 1

	LECTURE 1: FOUNDATIONS OF QUANTUM ROMANTICS
TUESDAY	Problem Set 4.1 assigned
THURSDAY	Problem Set 4.1 due

WEEK 2

	LECTURE 1 REVIEW LECTURE 2: TIME EVOLUTION IN QR
TUESDAY	Problem Set 4.1 peer corrections assigned Problem Set 4.2 assigned
THURSDAY	QUIZ 4.1 ON LECTURE 1 PROBLEM SESSION Problem Set 4.1 peer corrections due Problem Set 4.2 due

WEEK 3

	LECTURE 2 REVIEW LECTURE 3: ENTANGLEMENT IN QR
TUESDAY	Problem Set 4.2 peer corrections assigned Problem Set 4.3 assigned
THURSDAY	QUIZ 4.2 ON LECTURE 2 PROBLEM SESSION Problem Set 4.2 peer corrections due Problem Set 4.3 due

WEEK 4

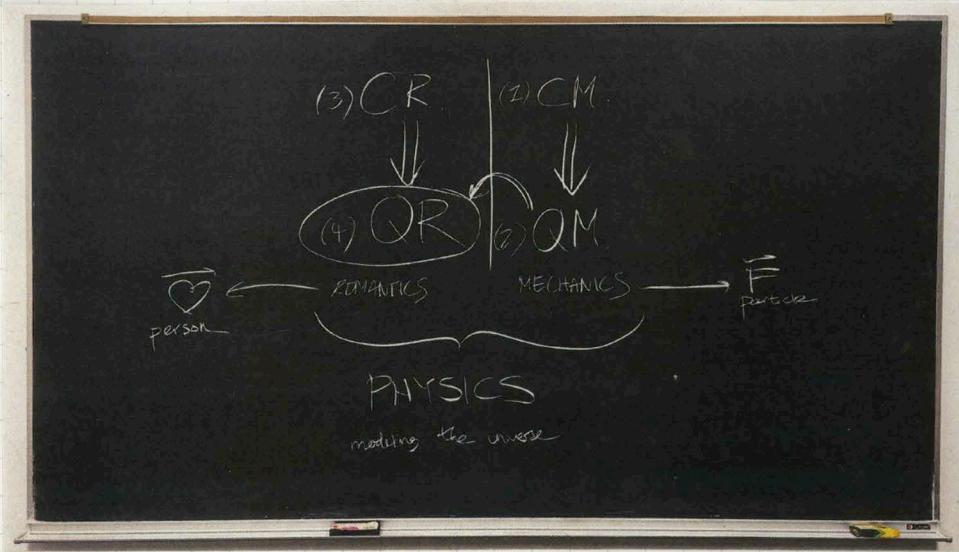
	UNIT 4 REVIEW
TUESDAY	Problem Set 4.3 peer corrections assigned
THURSDAY	UNIT 4 EXAM Problem Set 4.3 peer corrections due

LECTURE 1: FOUNDATIONS OF QUANTUM ROMANTICS

CONCEPTS, BASES, LQS (OPERATORS), PRINCIPLE PARADOXES

NOTES

I. INTRODUCTION:



QUANTUM ROMANTICS FOLLOWS AFTER CLASSICAL ROMANTICS,

QUANTUM MECHANICS FOLLOWS AFTER CLASSICAL MECHANICS.

ROMANTICS & MECHANICS ARE SUBFIELDS OF PHYSICS,

MODELING SPECIFIC BEHAVIORS OF THE UNIVERSE:

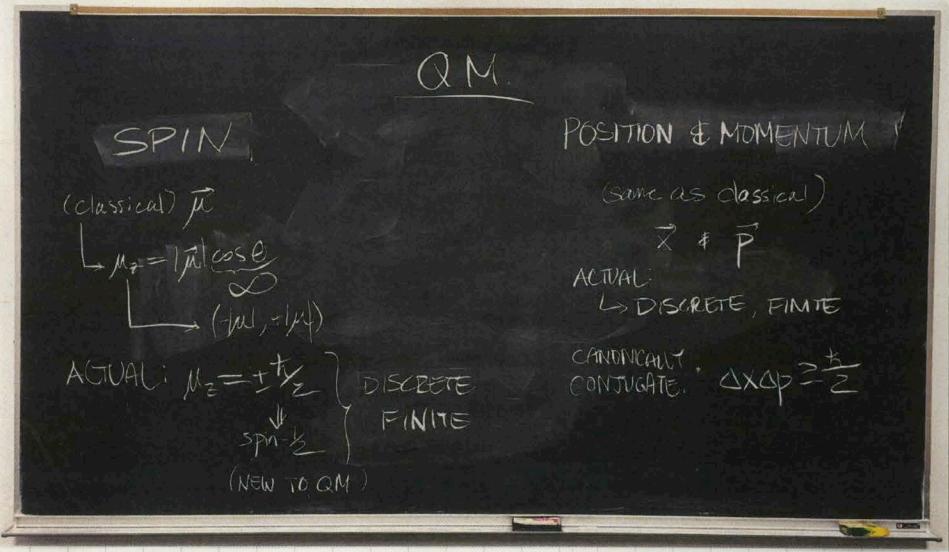
LOVE & DESIRE IN PERSONS, FORCE & MOTION IN PARTICLES.

QUANTUM ROMANTICS & QUANTUM MECHANICS SHARE MATHEMATICS,

WITH NOTABLE EXCEPTIONS.

NOTES.

II. CONCEPTUAL OVERVIEW.



2.1 QM REVIEW.

SPIN IS NEW (NOVEL), RELATED TO MAGNETIC MOMENT.

SPIN HAS FINITE POSSIBILITIES OF DISCRETE VALUES.

MAGNETIC MOMENT SHOULD HAVE INFINITE POSSIBILITIES

WITHIN A CONTINUOUS RANGE OF VALUES,

BUT IS FINITE & DISCRETE IN REALITY. HENCE, SPIN.

POSITION & MOMENTUM ARE (RE)NEW(ED).

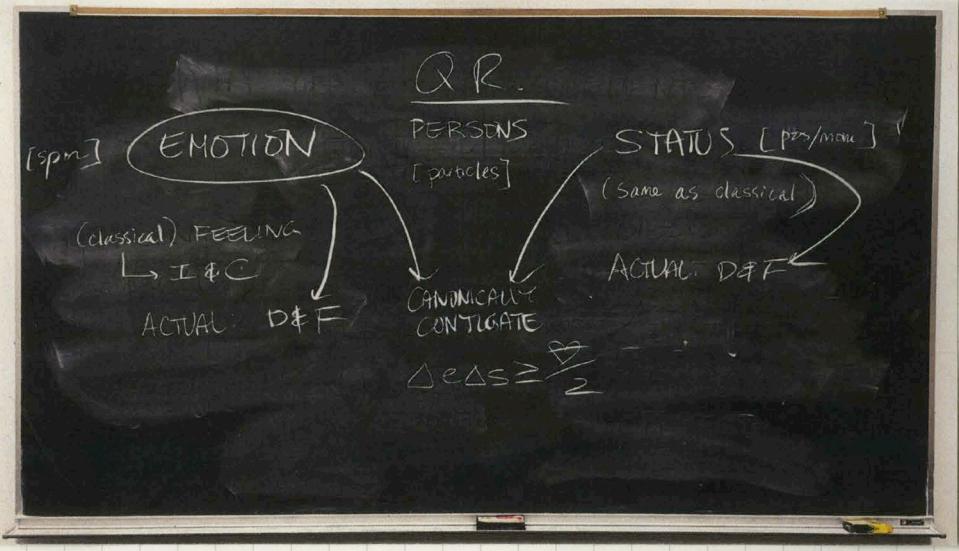
THE SAME CONCEPTS NOW HAVE FINITE POSSIBILITIES OF DISCRETE VALUES

POSITION & MOMENTUM ARE CANONICALLY CONJUGATE:

SIMULTANEOUS KNOWLEDGE OF BOTH IS IMPOSSIBLE -

NOTES.

2.2 QM TO QR ANALOGY.



EMOTION IS NEW (NOVEL), RELATED TO FEELING.

EMOTION HAS FINITE POSSIBILITIES OF DISCRETE VALUES.

FEELING SHOULD HAVE INFINITE POSSIBILITIES

WITHIN A CONTINUOUS RANGE OF VALUES,

BUT IS FINITE & DISCRETE IN REALITY. HENCE, EMOTION.

STATUS IS (RE)NEW(ED).

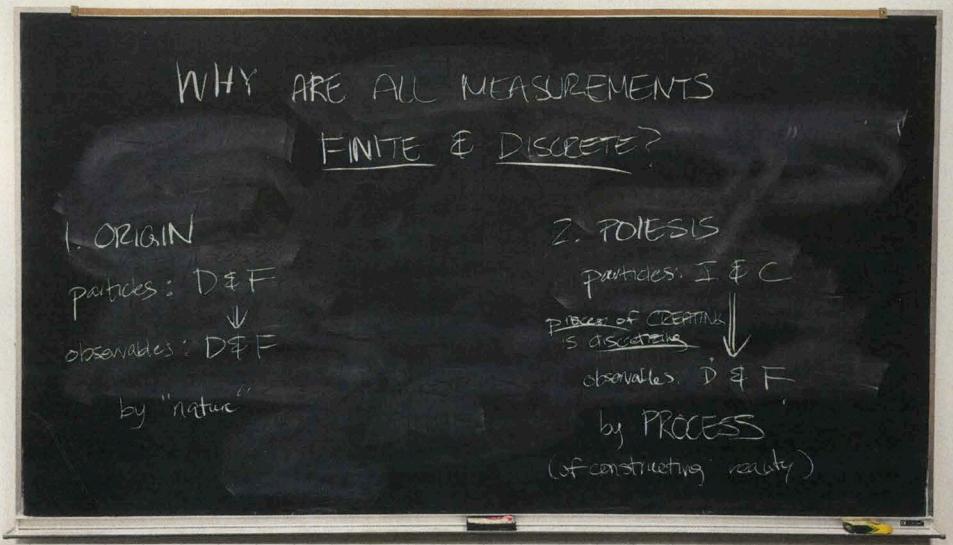
THE SAME CONCEPT NOW HAS FINITE POSSIBILITIES OF DISCRETE VALUES.

EMOTION & STATUS ARE CANONICALLY CONJUGATE:

SIMULTANEOUS KNOWLEDGE OF BOTH IS IMPOSSIBLE.

NOTES.

2.3 ONTOLOGICAL CAUSALITY IN QM.



WHY IS REALITY FINITE & DISCRETE?

1. PARTICLES ARE FINITE & DISCRETE BY ORIGINAL NATURE.

2. PARTICLES EXIST IN AN INFINITE FIRMAMENT;

COMMUNICATION IS AN INHERENTLY DISCRETIZING PROCESS.

NOTES.



2.4 ONTOLOGICAL CAUSALITY IN OR.



IS THE TOTALITY OF MY LIVED EXPERIENCE

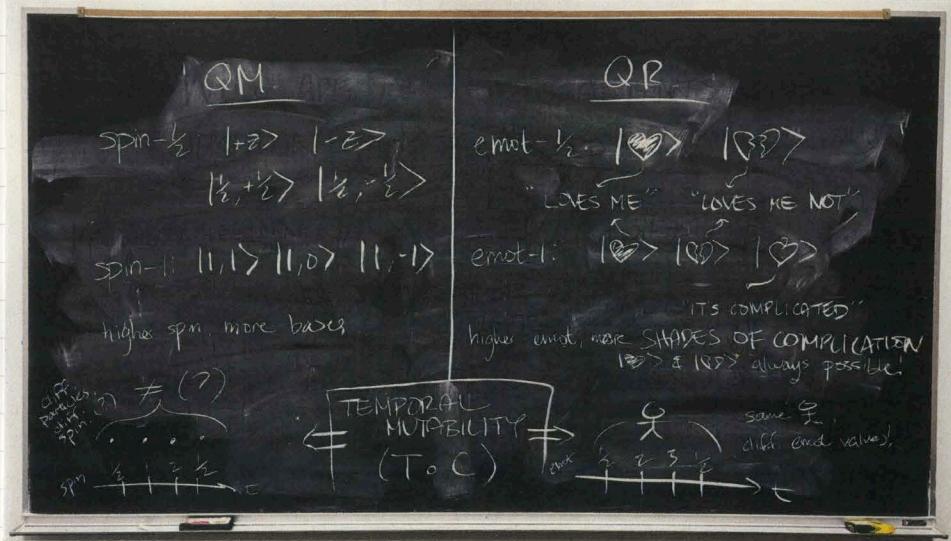
A **CONTINUOUS & INFINITE** THING,

ONLY IMPERFECTLY EXPRESSIBLE

THROUGH **DISCRETE & FINITE** EXTERNALIZATIONS?

NOTES.

III. EMOT STATE BASES



FOR ALL EMOT VALUES, LOVES ME & LOVES ME NOT

ALWAYS FORM TWO ORTHOGONAL DIMENSIONS OF POSSIBLE MEASUREMENT.

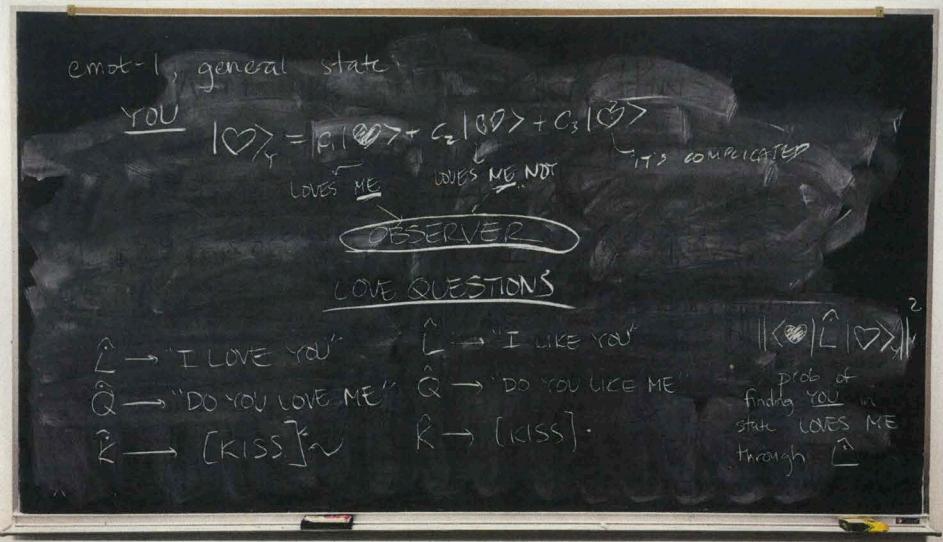
HIGHER EMOT VALUES HAVE MULTIPLE SHADES OF IT'S COMPLICATED.

SPLITTING INTO MULTIPLE ORTHOGONAL DIMENSIONS OF POSSIBLE MEASUREMENT.

EMOT VALUES CHANGE OVER TIME.

NOTES

IV. LQS (OPERATORS IN QR).



4.1 INTRODUCTION TO LQS.

THE ONE-PERSON STATE OF **YOU** INVOKES **ME**, THE OBSERVER.

(THE CLASSICAL PARADOX OF EROS SEEPS INTO QUANTUM MATHEMATICS.)

MEASUREMENTS OF **YOU** ARE MADE BY **ME** THROUGH LOVE QUESTIONS:

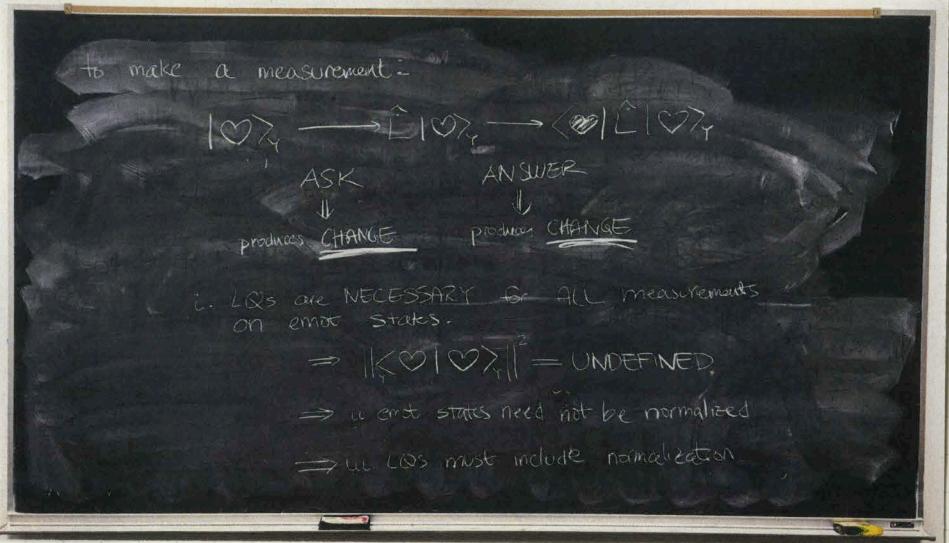
INTERACTIONS THAT TELL **ME** ABOUT THE EMOT STATE OF **YOU**.

I MODEL THE PROBABILITY OF FINDING **YOU** IN THE STATE LOVES ME

AS MEASURED THROUGH THE LOVE QUESTION I LOVE YOU.

NOTES.

4.2 THE PRINCIPLE PARADOX OF INTERROGATIVE NECESSITY



NOTES.

MEASUREMENT MUST BE MADE THROUGH AN ASKING

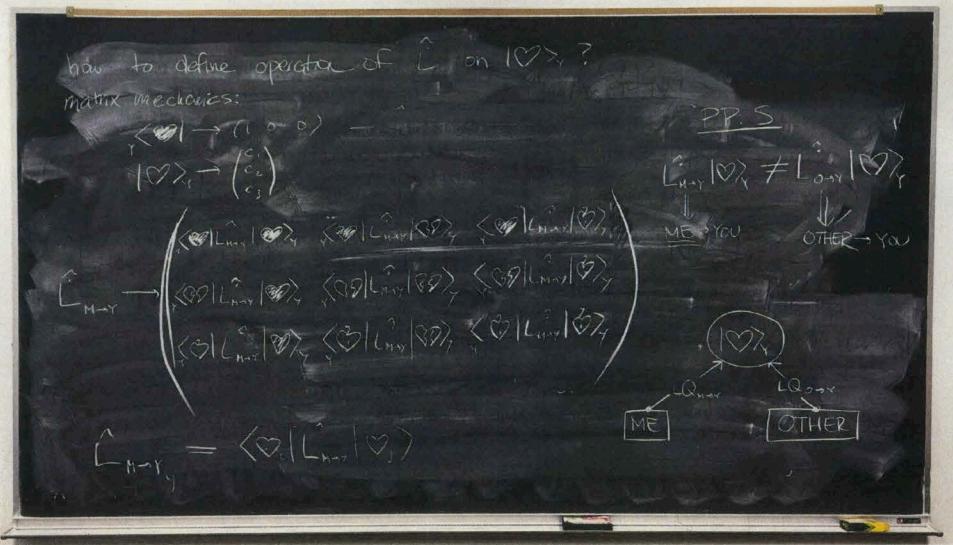
WHICH PROVOKES AN ANSWERING. HENCE, INTERROGATIVE NECESSITY.

THE BEING ASKED, AND THE ANSWERING, PROVOKES CHANGE.

HENCE: PARADOX.

THE IDENTITY OPERATOR IS EXPERIMENTALLY MEANINGLESS.

4.3 THE PRINCIPLE PARADOX OF SUBJECTIVITY.



FOR EVERY YOU, THERE EXISTS A UNIQUE HILBERT-SOUL SPACE

OF EMOT STATE VECTORS OF YOU.

FOR EVERY ME - YOU PAIR

EVERY OBSERVER - OBSERVEE PAIR

EVERY LOVER - BELOVED PAIR

THERE EXISTS A UNIQUE OPERATOR SPACE

OF LOVE QUESTIONS BETWEEN ME & YOU.

NOTES.

LA TEP MELDING

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WORLD BODY WORKS