

Quantum Love: The Interplay of Science with Emotion

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Physics is Fun!

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(Richard Feynman)



Figure 1: Nobel Prize Picture ¹

¹wikipedia

Motivation and Idea

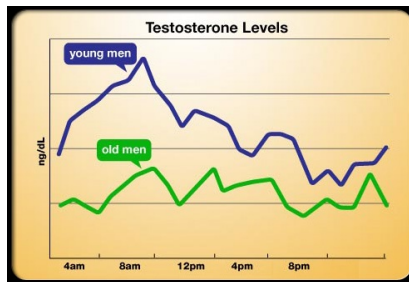


Figure 2: Male Testosterone Levels ²

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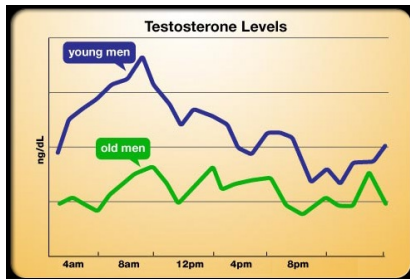


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²become-the-alpha-male.com/blog/category/testosterone/

Disclaimer

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If you feel offended, let me know such that I can skip the respective part of my presentation.

If you feel offended, but do not want to speak up, let me know afterwards, such that I can change it and improve in future presentations.

Basics of Quantum Mechanics

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Feeling



= nervous



States Spaces

Superposition Principle: Male State Space

$$|m(x)\rangle = \sum_{i=0}^n c_i |m_i(x)\rangle \quad (1)$$

Fourier transform between gentlemen and ladies space

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$$|w(k)\rangle = \sum_j c_j \frac{1}{(\sqrt{2\pi})^d} \int d^d x \, |m_j(x)\rangle e^{-ikx} \delta(k_\mu k^\mu + m^2) \Theta(k_\mu x^\mu) \quad (2)$$

where:

- 1 the exponential = our first attempt to understand something
- 2 d dimensions = cannot even comprehend in how many ways a woman can think
- 3 the delta function δ = engage in a conversation only when appropriate
- 4 step function $\Theta(\mu)$ = apologize when mistaken

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Daniel's Conjecture: One can find a suitable representation of \hat{L} only for a single woman $|w\rangle = |g\rangle$, that is, the girlfriend.

Common Approximations (1)

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$$\hat{L} |w\rangle$$

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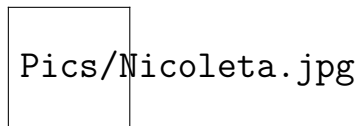
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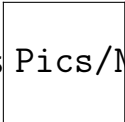
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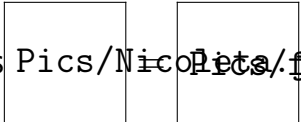
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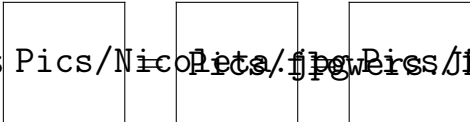
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 Flowers Pics/NicoPics/floPowers/JPGpre.JPG

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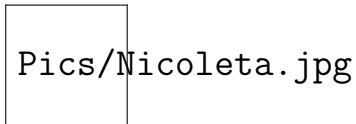
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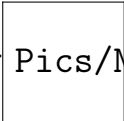
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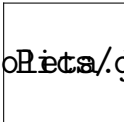
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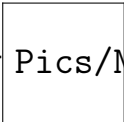
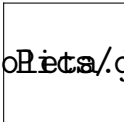
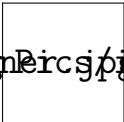
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Conclusion: Not all operator equations are eigenvalue problems.

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Hopeful Lemma: As $t \rightarrow \infty$, the above case will happen with probability $P = 0$, that is, never again.

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Open question: Prove whether such states exist (or not).

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How to apply an infinite amount of work? (≈ 0 in her eyes)

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such that she wants to apply to Love operator on me, that is:

$$\hat{L}_w|b\rangle = (?)|b\rangle \quad (11)$$

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- 2 Investigate how operators apply on the wave functions (and pay much attention how you can apply them).
- 3 Obtain physical results that can be experimentally achieved.

Acknowledgements

I acknowledge

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I acknowledge psychological support from
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 Pics/grad.JPG

Figure 3: Success! ($n \gg 1$)

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 `Pics/grad.JPG`

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 `Pics/fam.jpg`

Figure 4: Prelipcean Family

Take Home Message

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Humans

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Thank You and May the Force be with You!