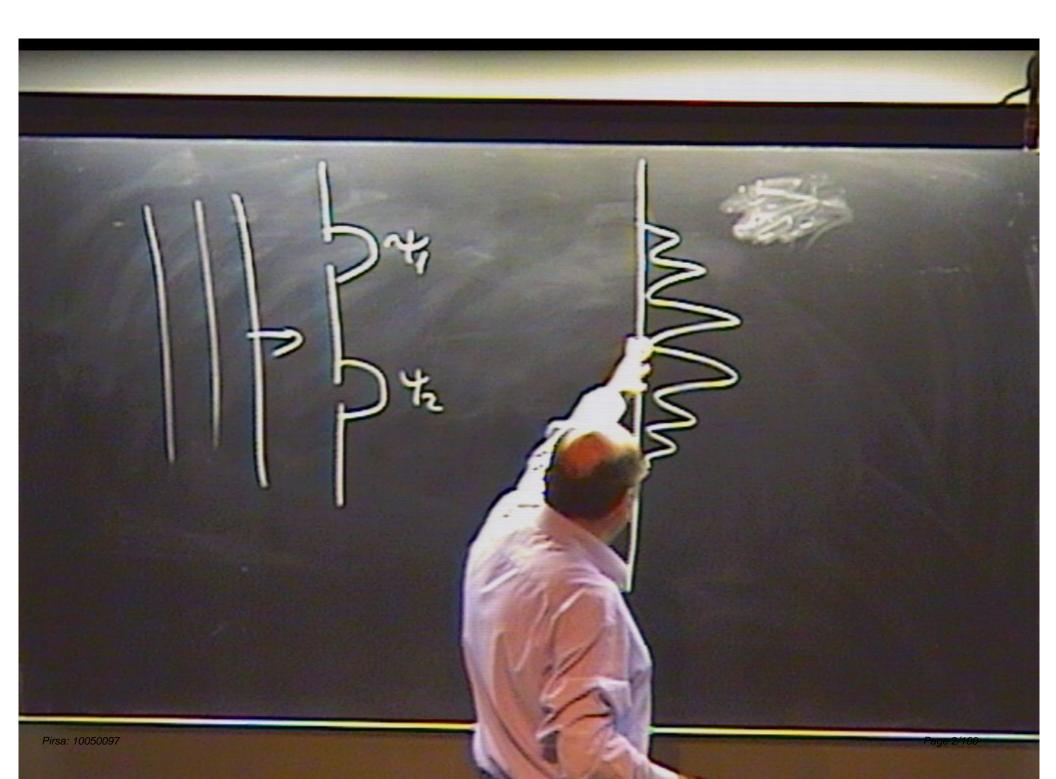
Title: Dynamical quantum nonlocality

Date: May 11, 2011 09:30 AM

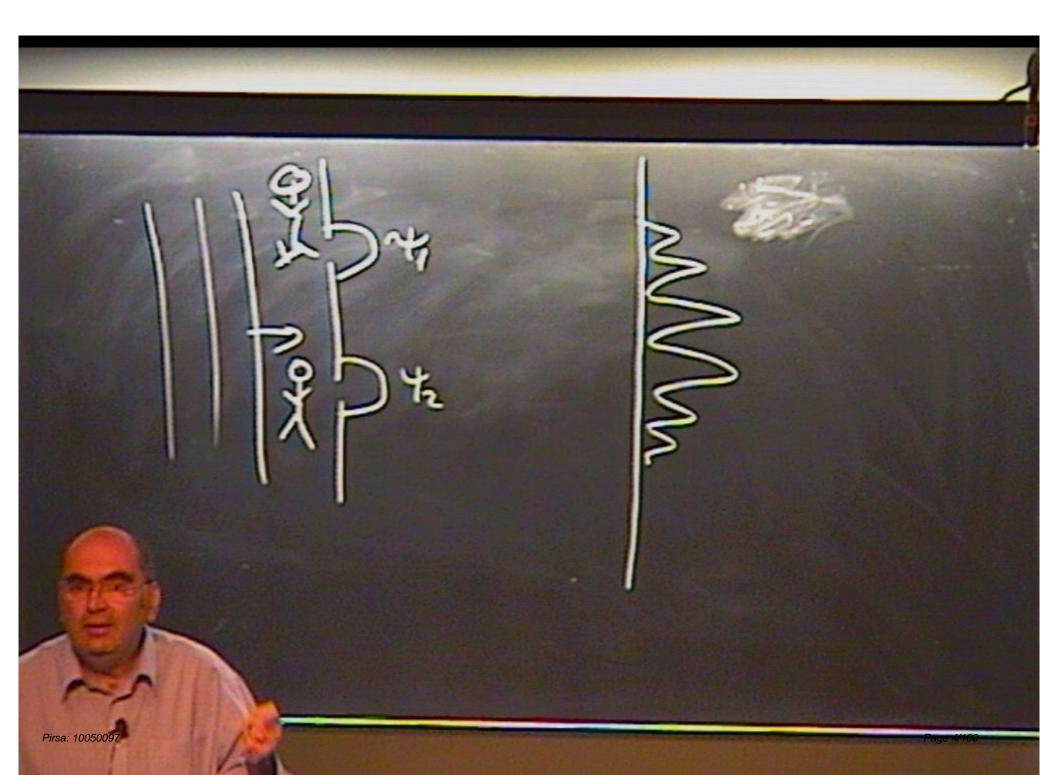
URL: http://pirsa.org/10050097

Abstract: In my talk I raise the question of the fundamental limits to the size of thermal machines - refrigerators, heat pumps and work producing engines - and I will present the smallest possible ones. I will also discuss the issue of a possible complementarity between size and efficiency and show that even the smallest machines could be maximally efficient. Finally I will present a new point of view over what is work and what do thermal machines actually do.

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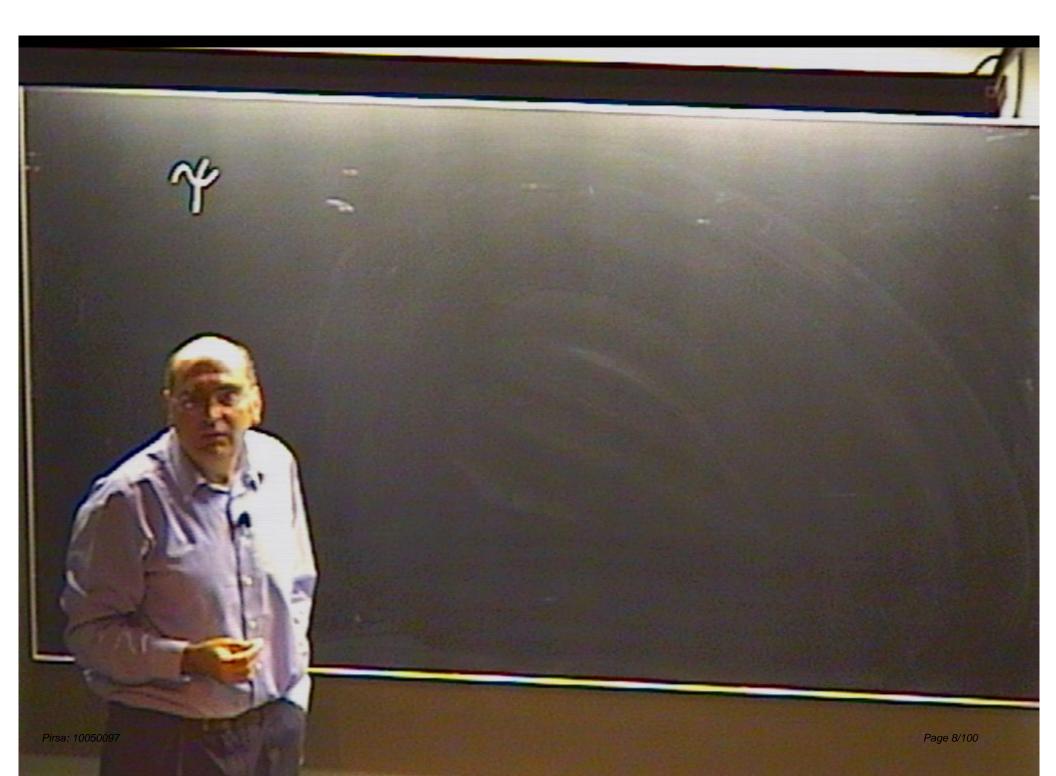


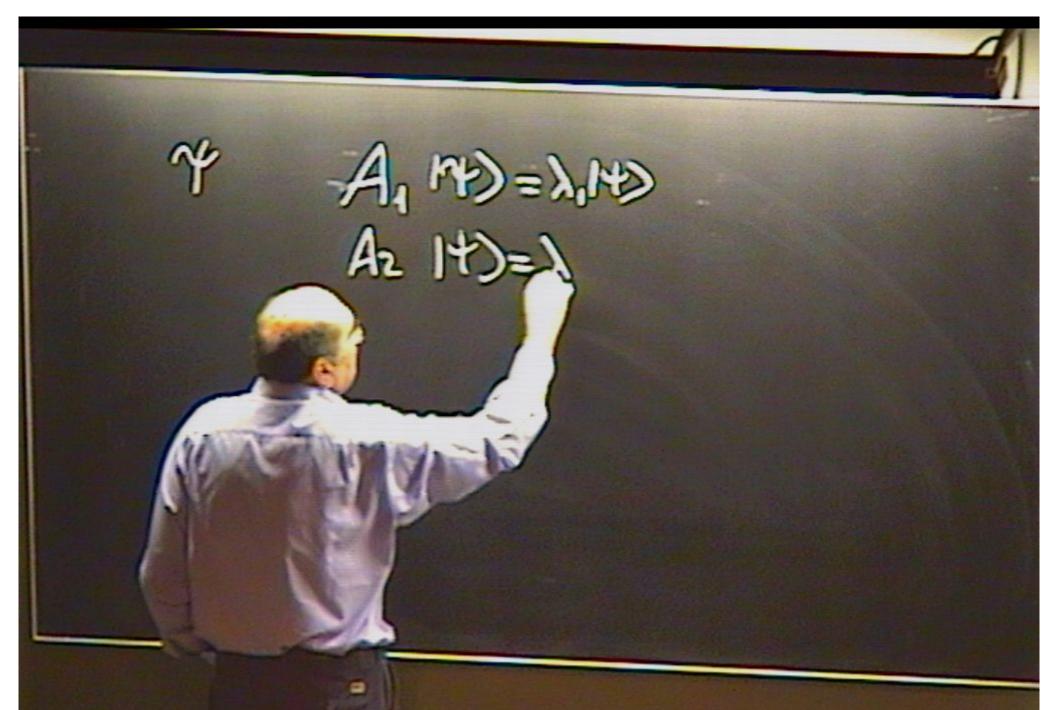
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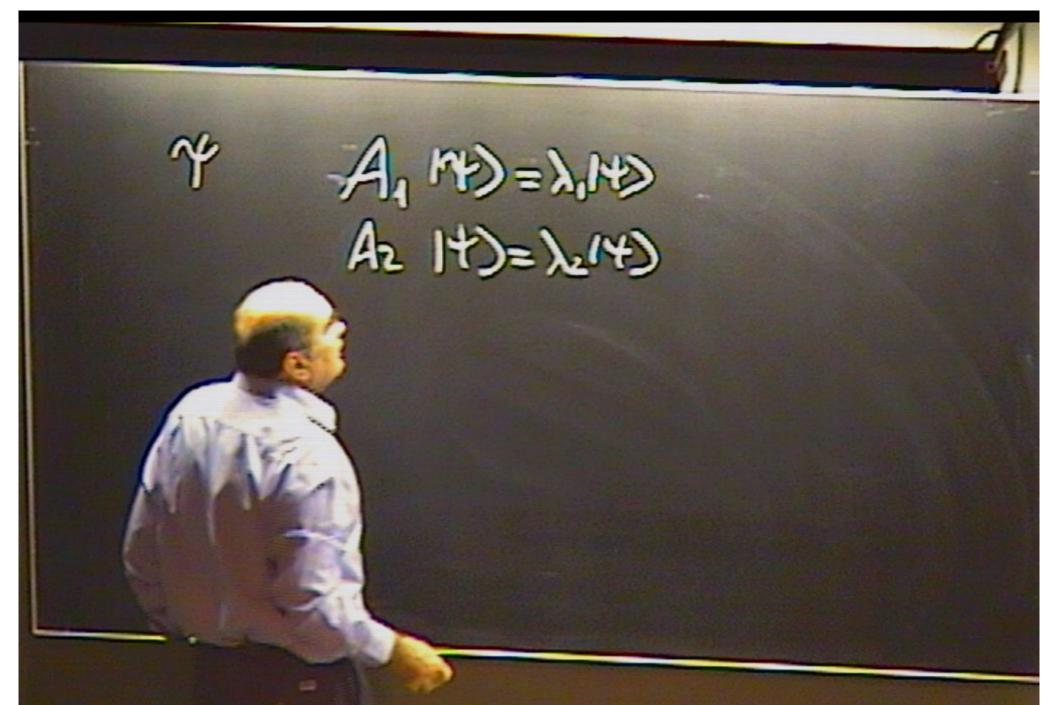
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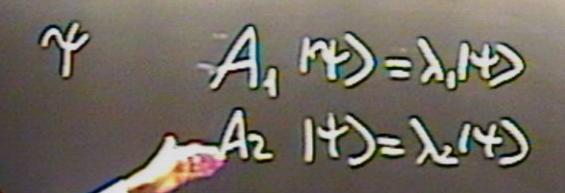


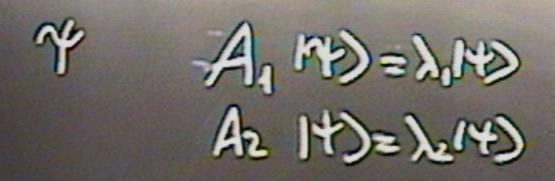


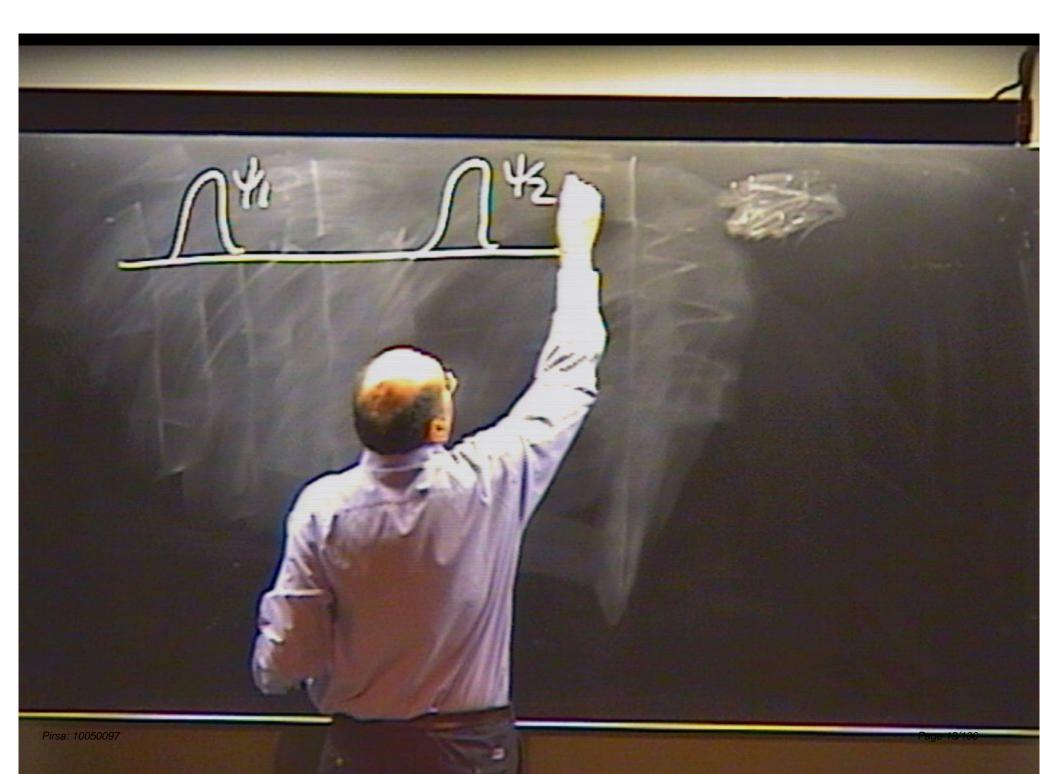
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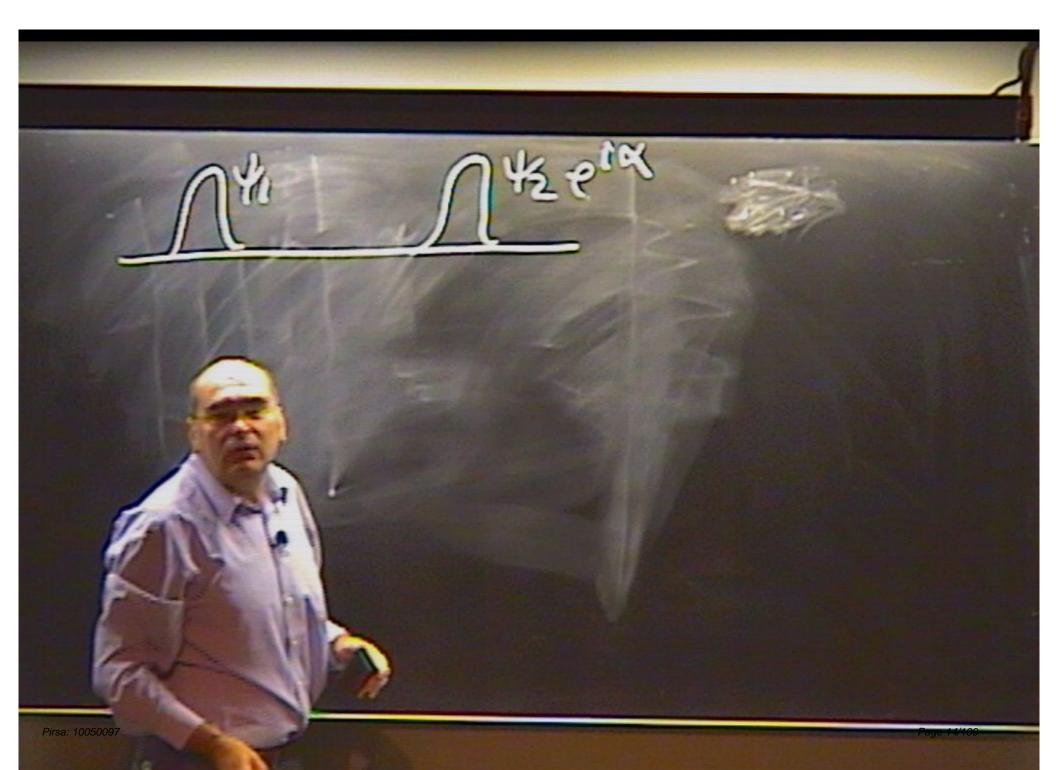


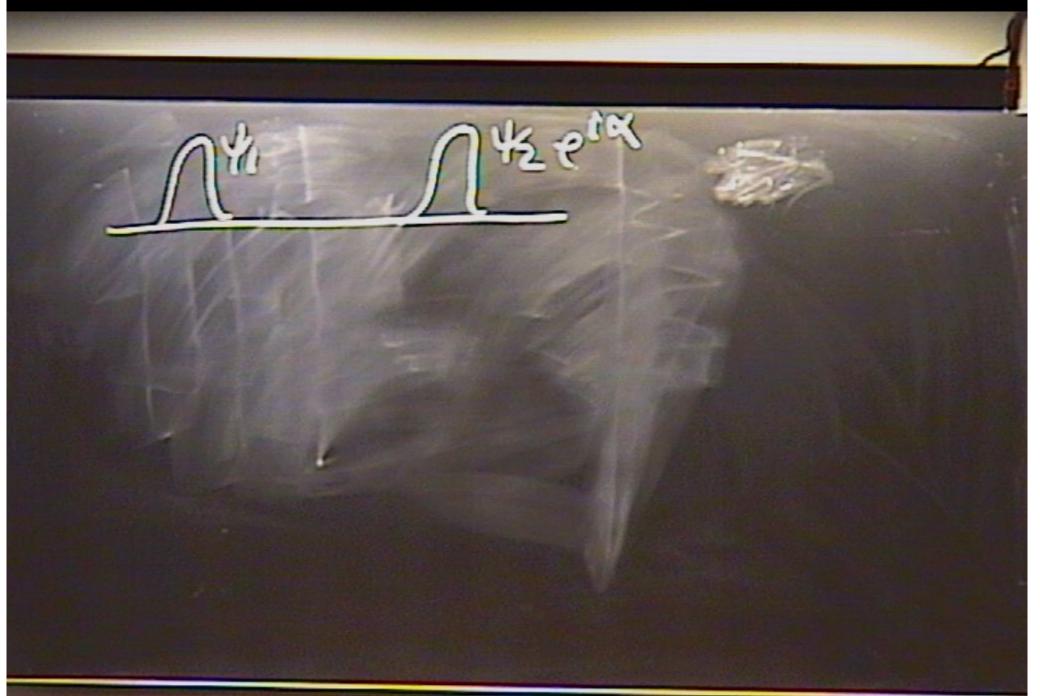
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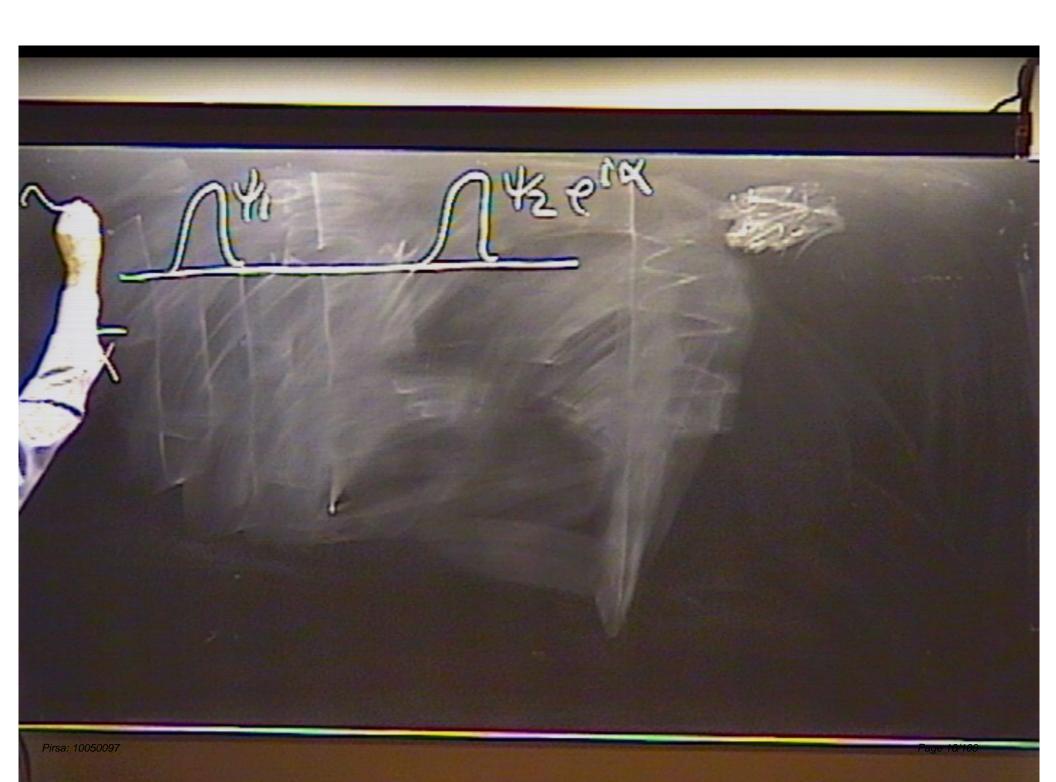


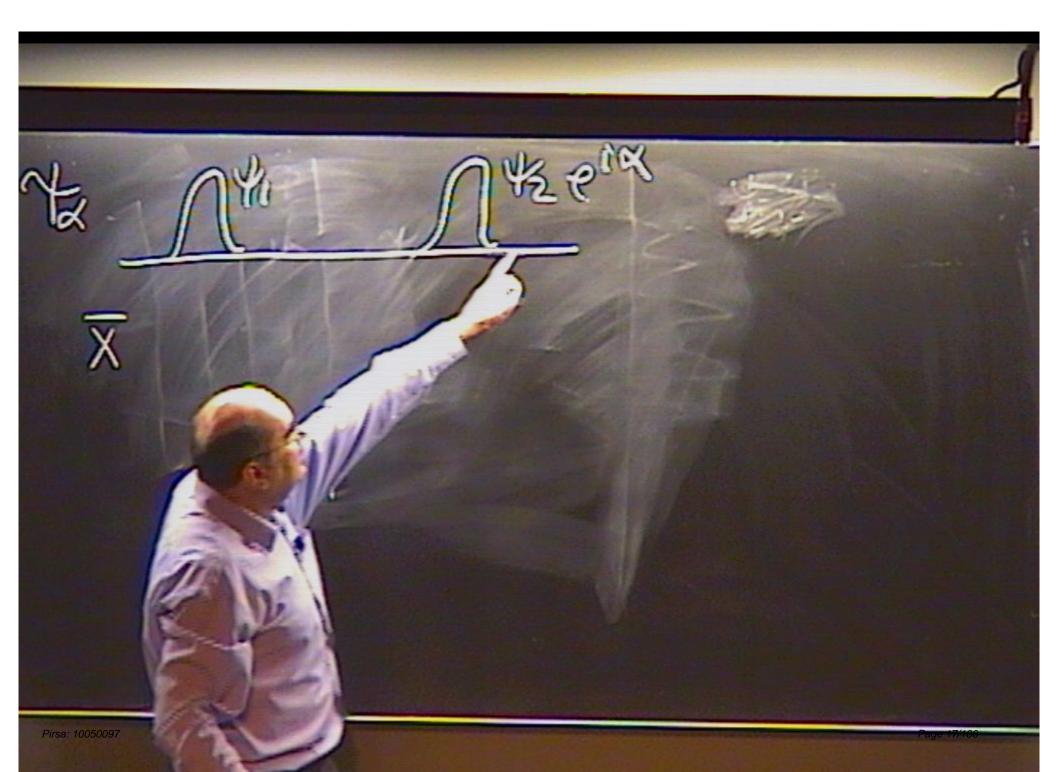


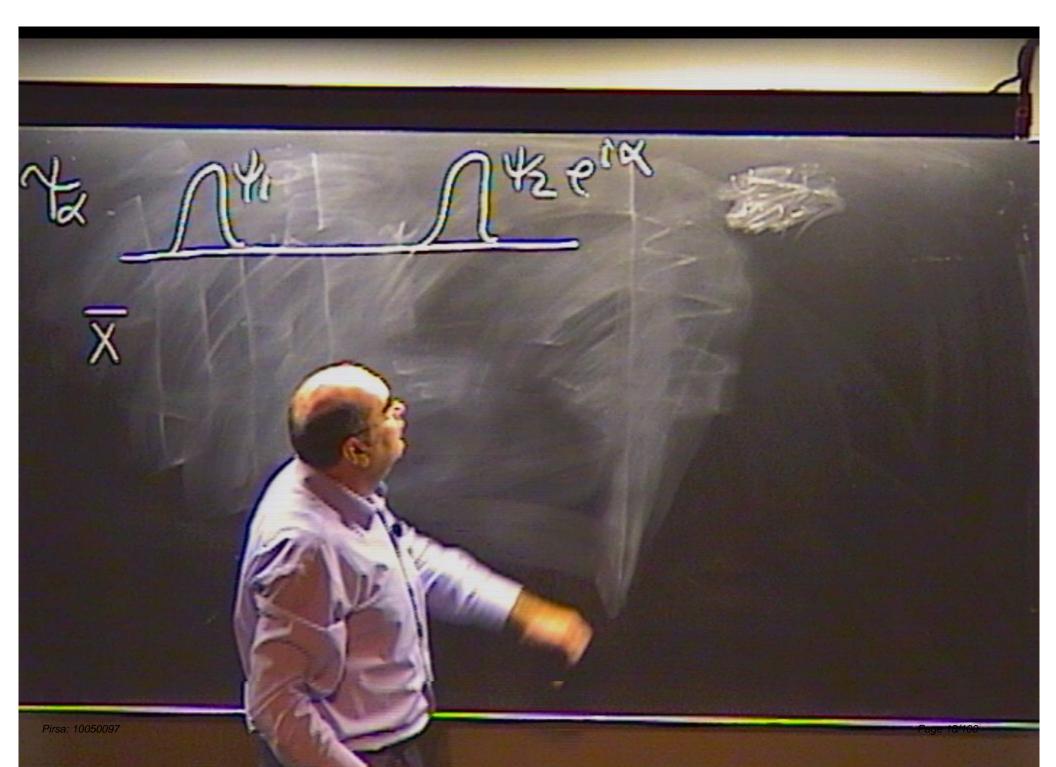












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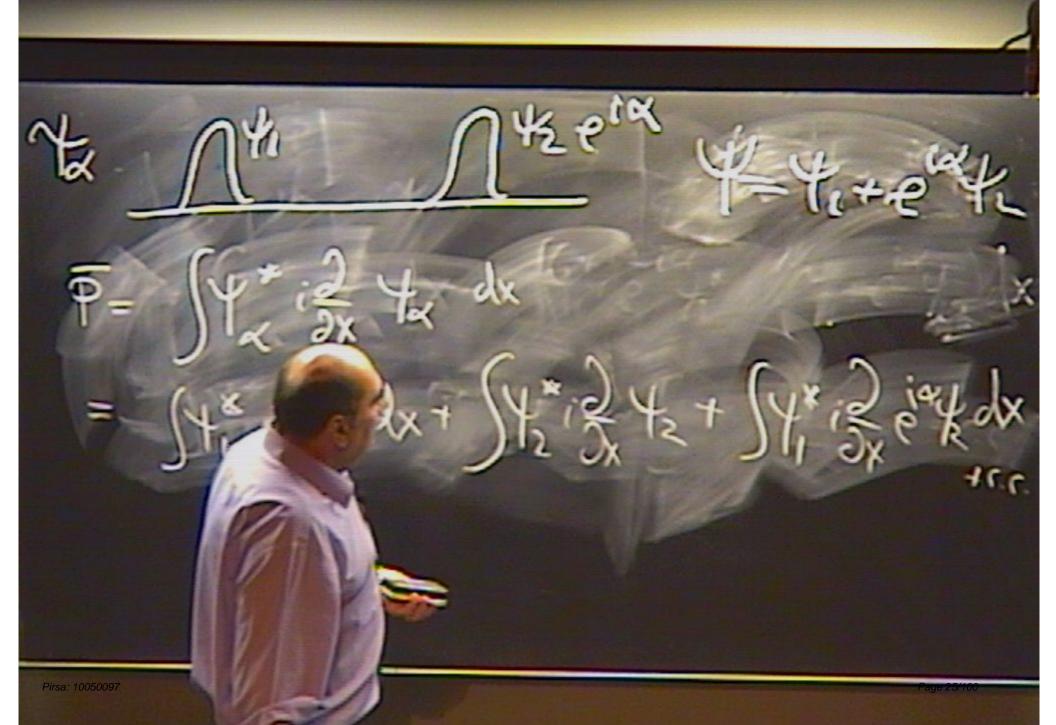
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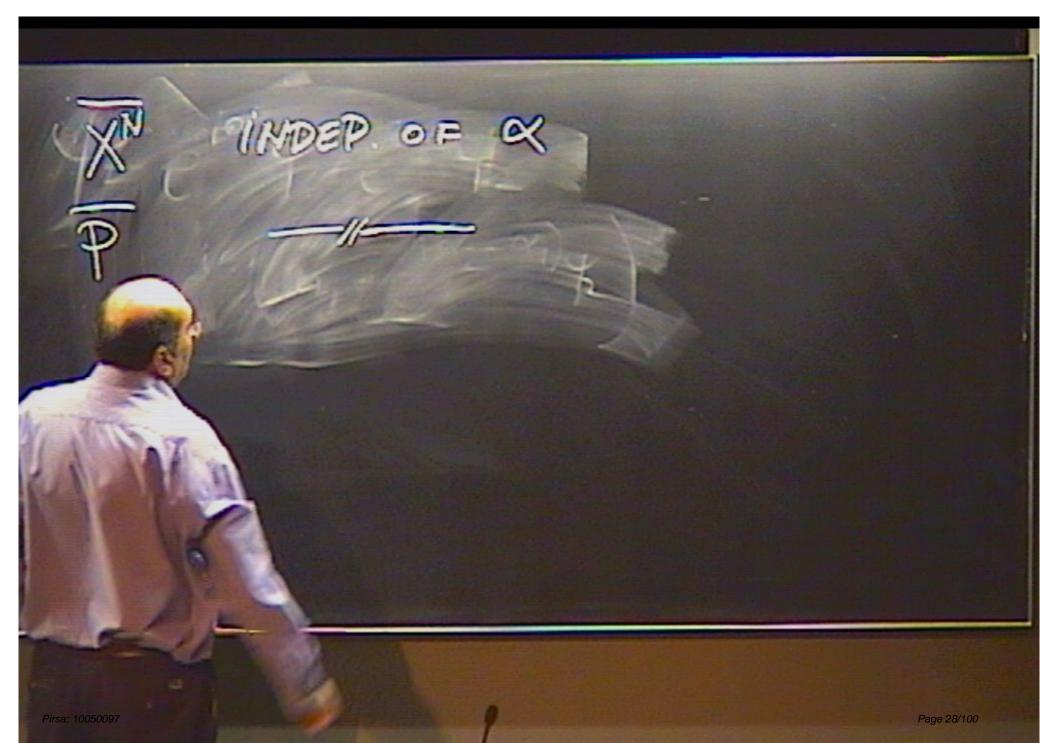
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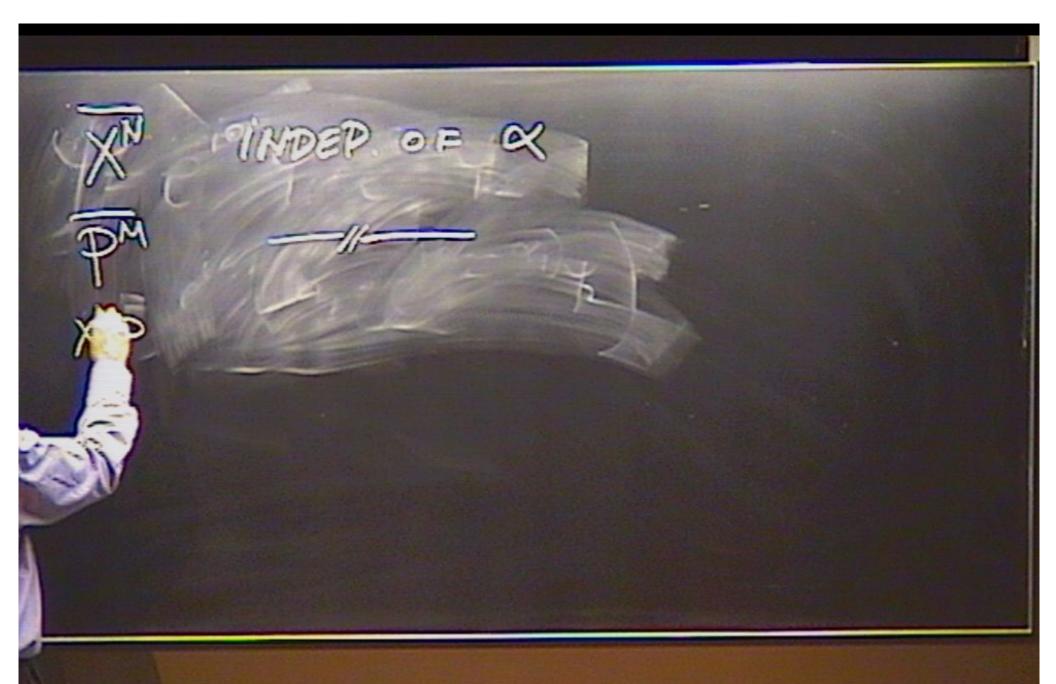
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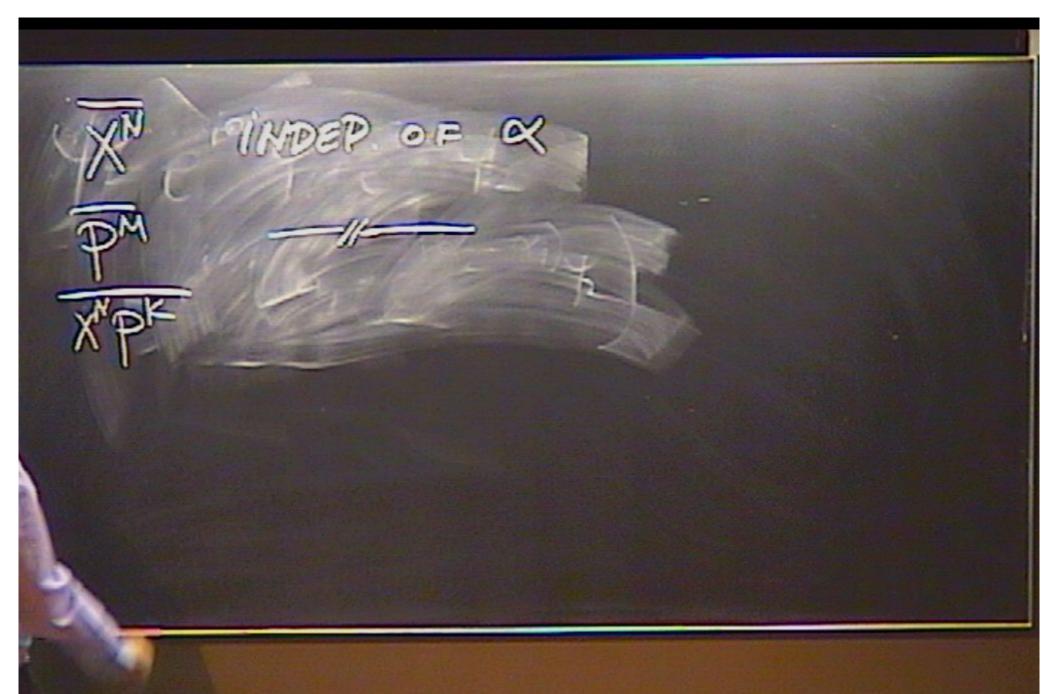




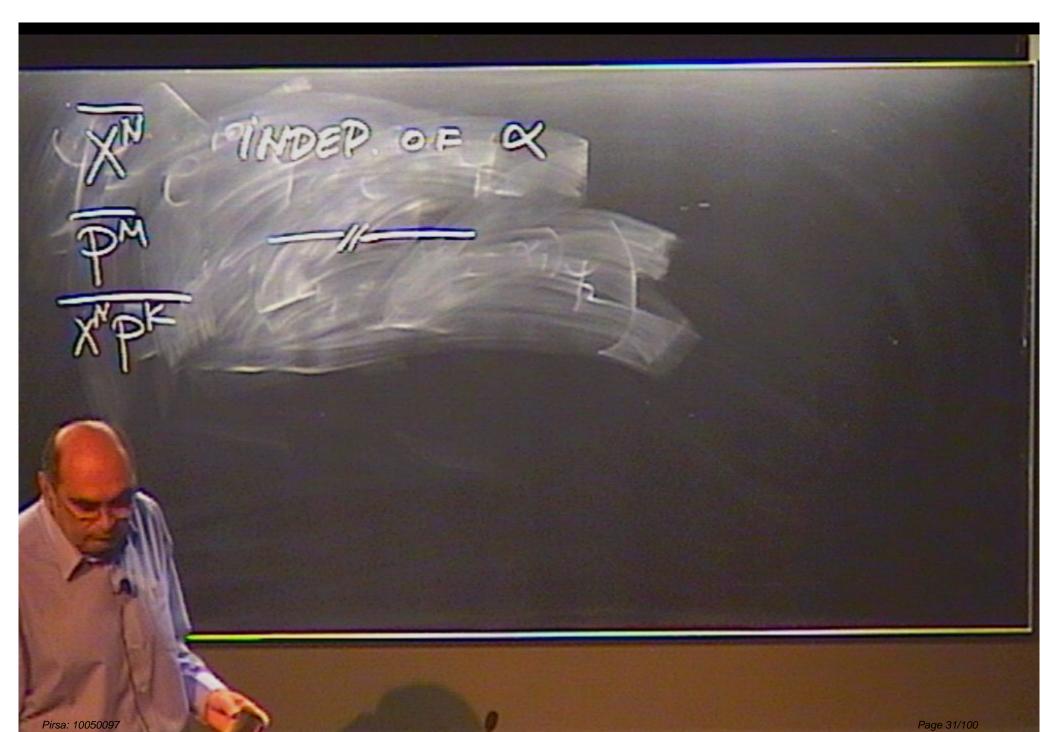
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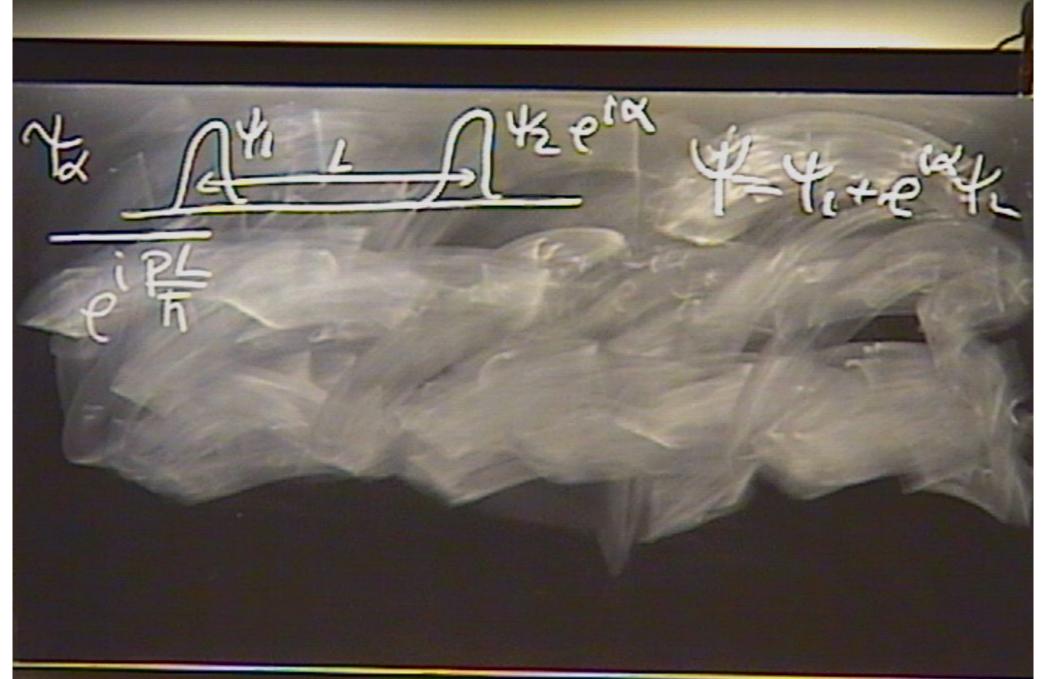


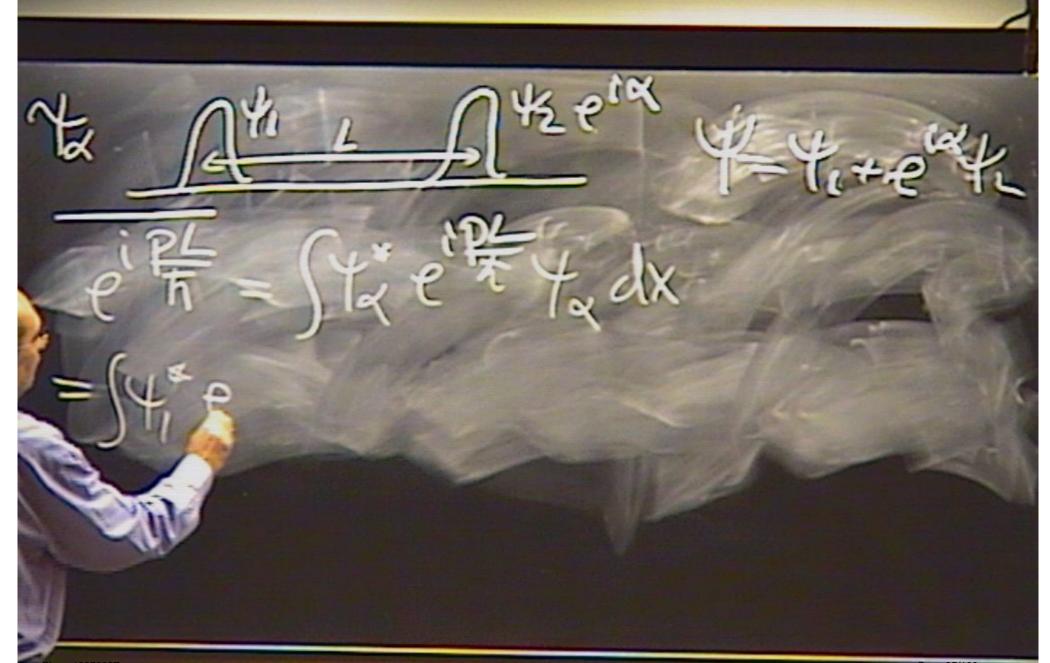




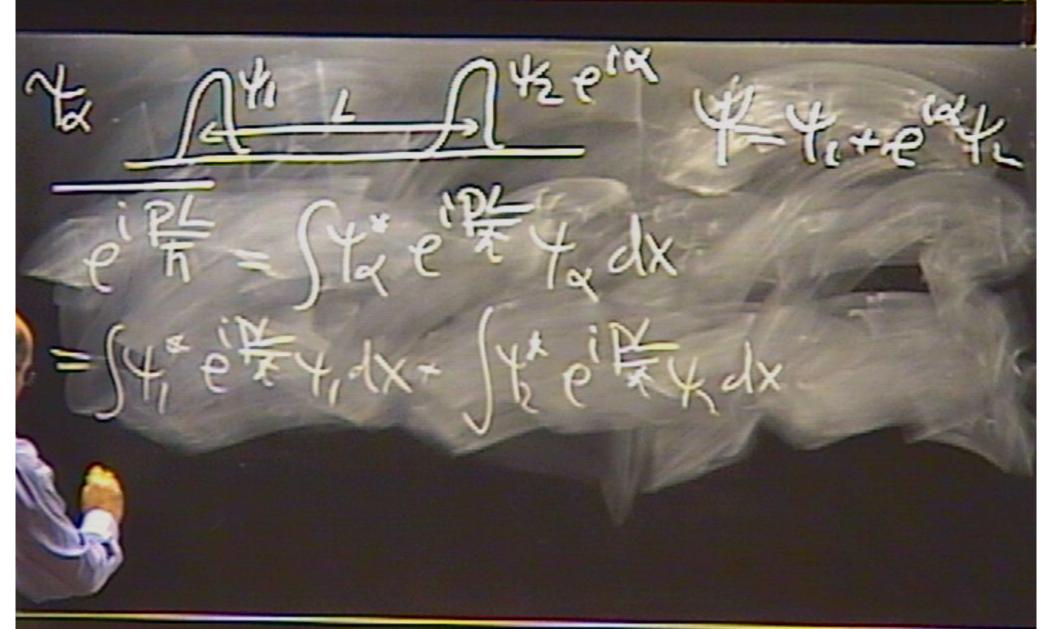
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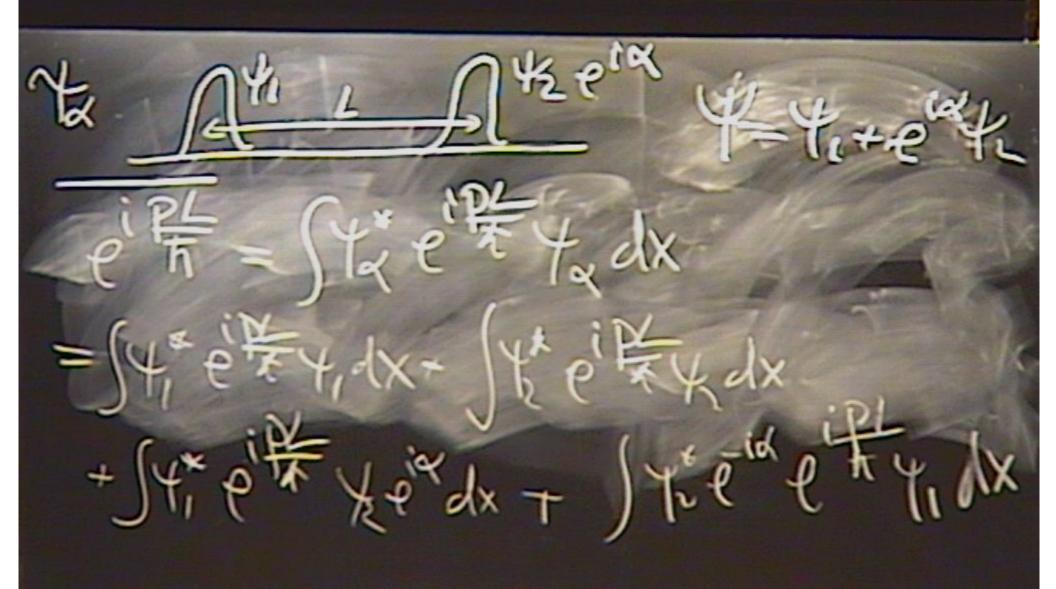


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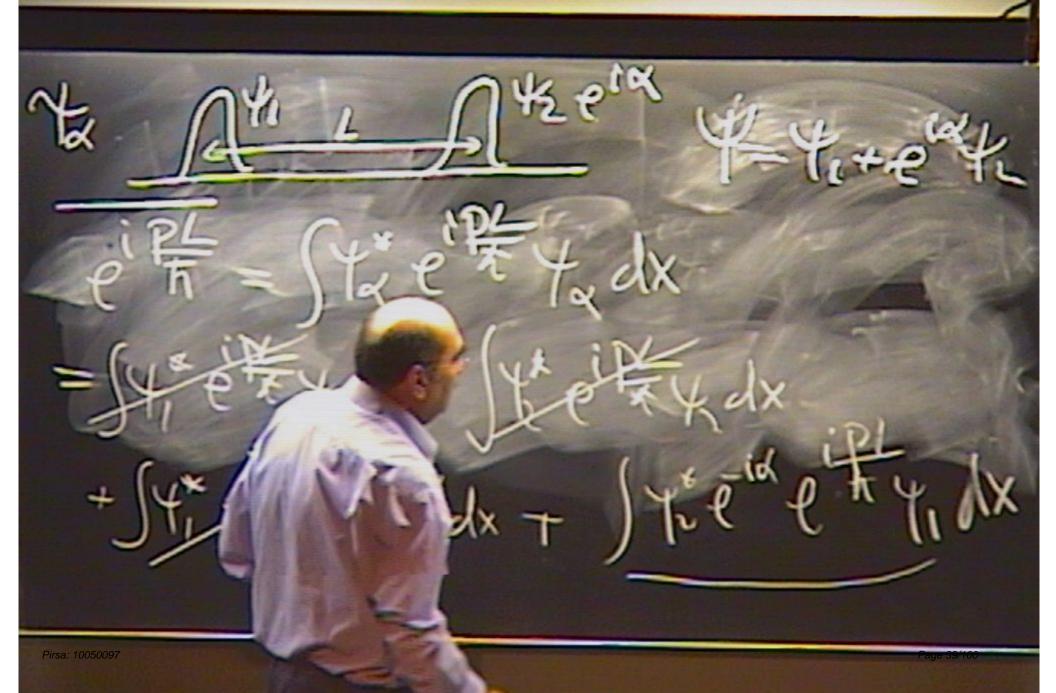


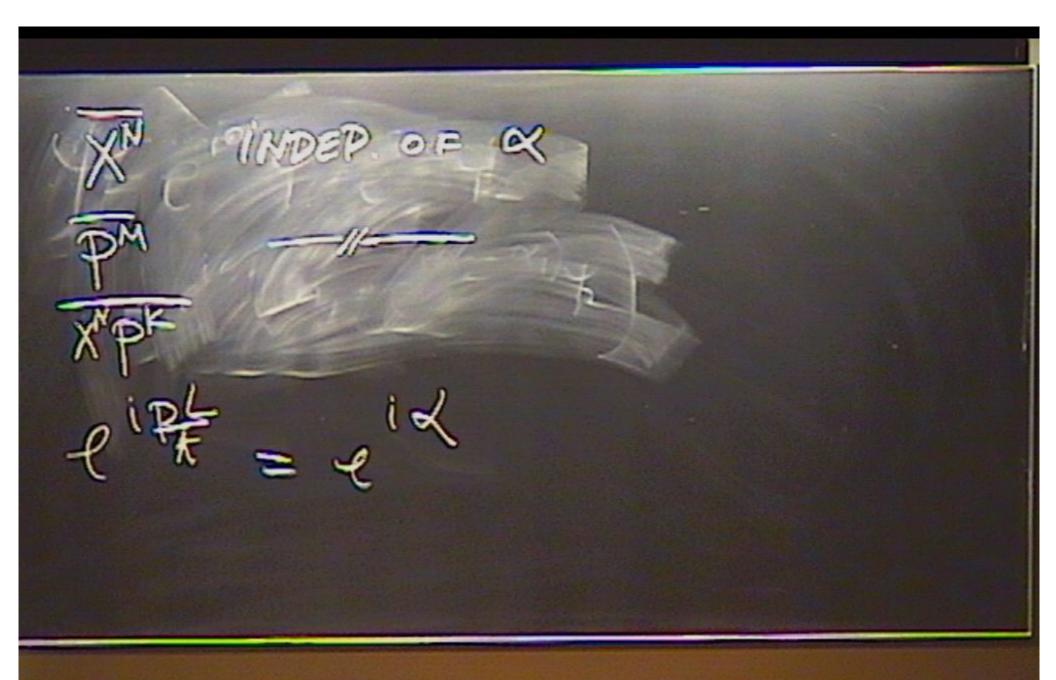
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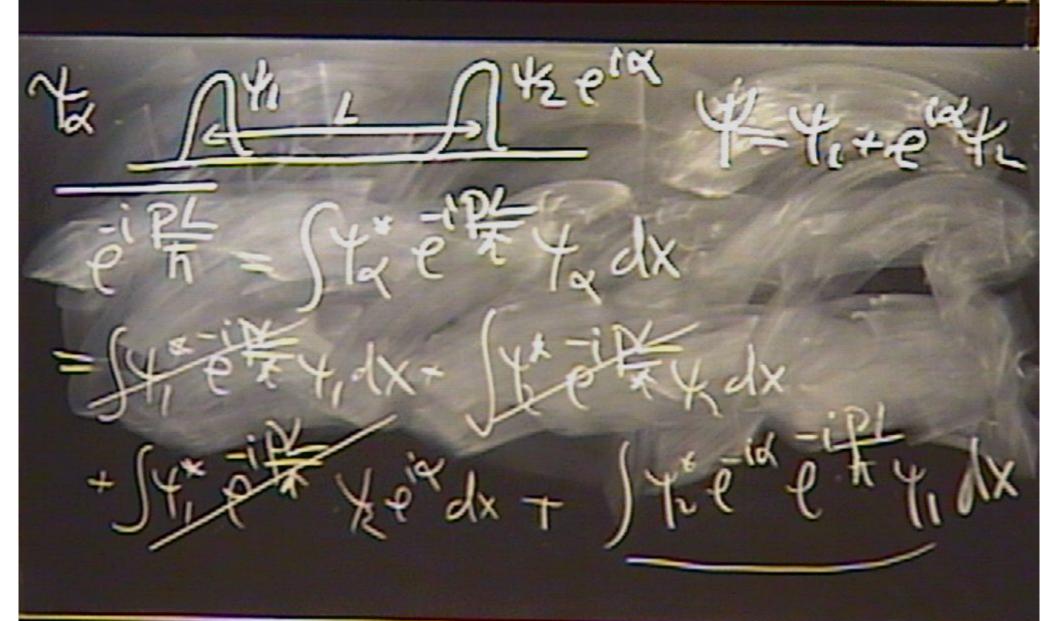
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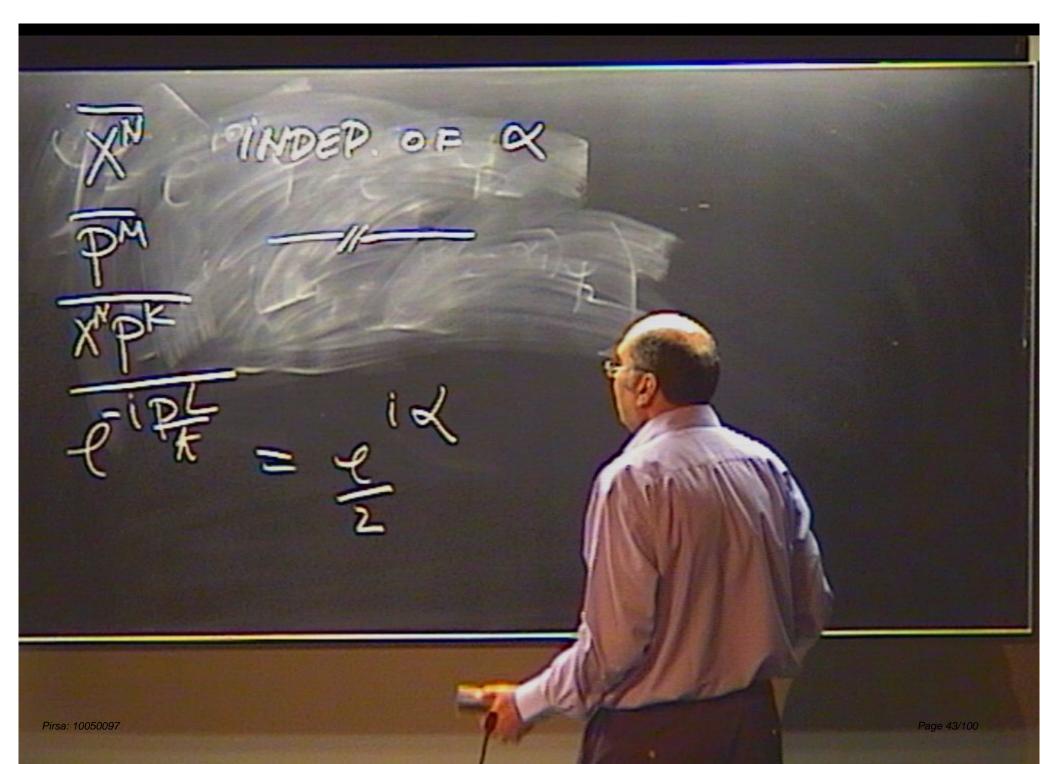
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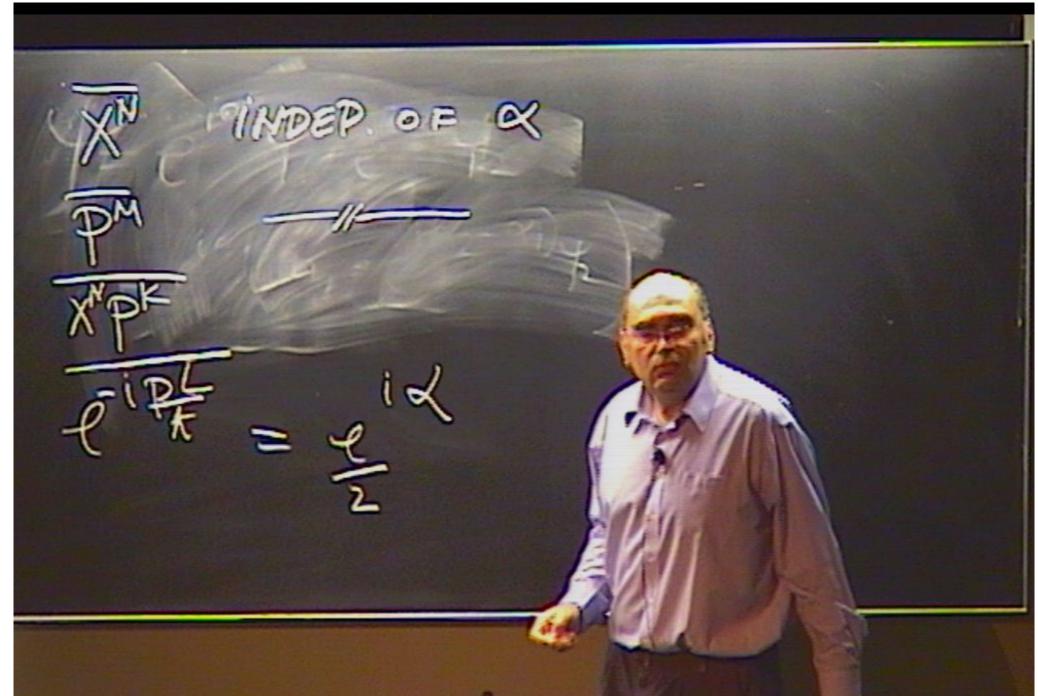




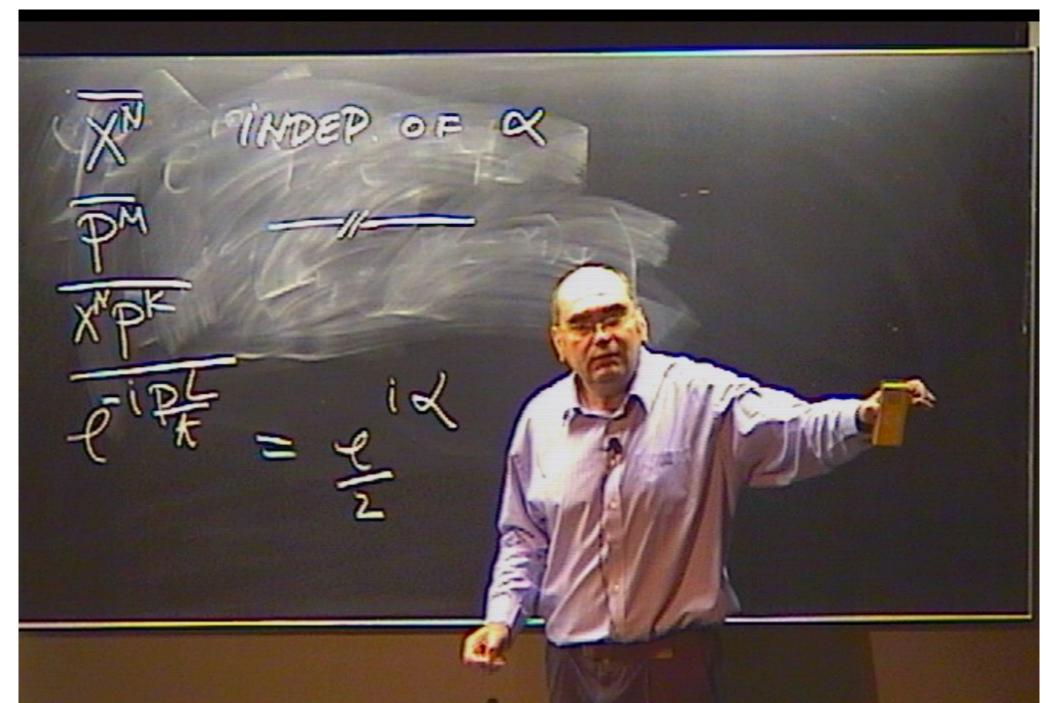


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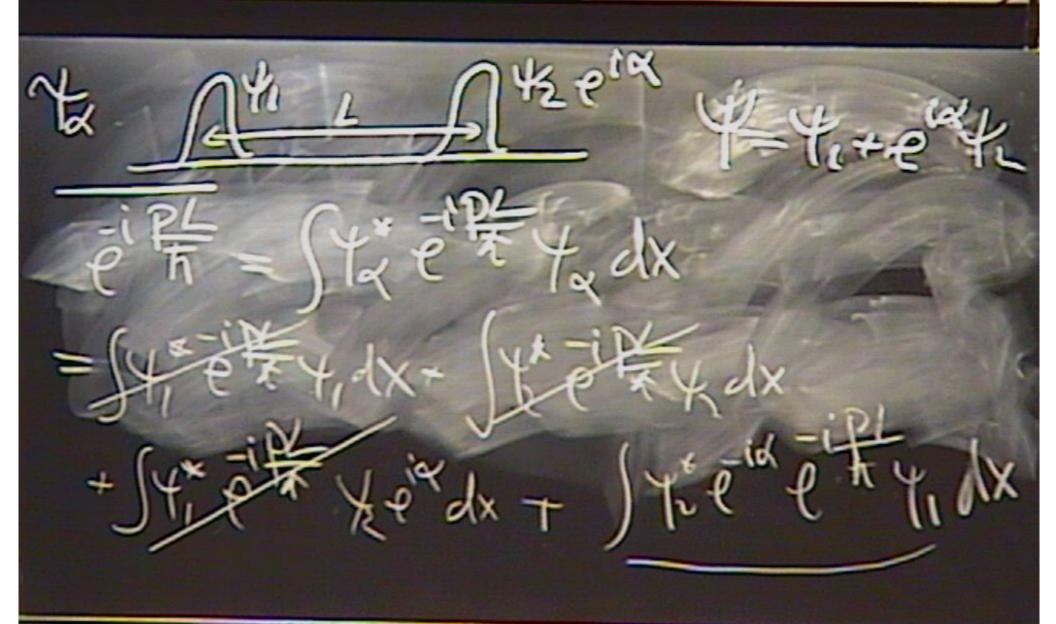


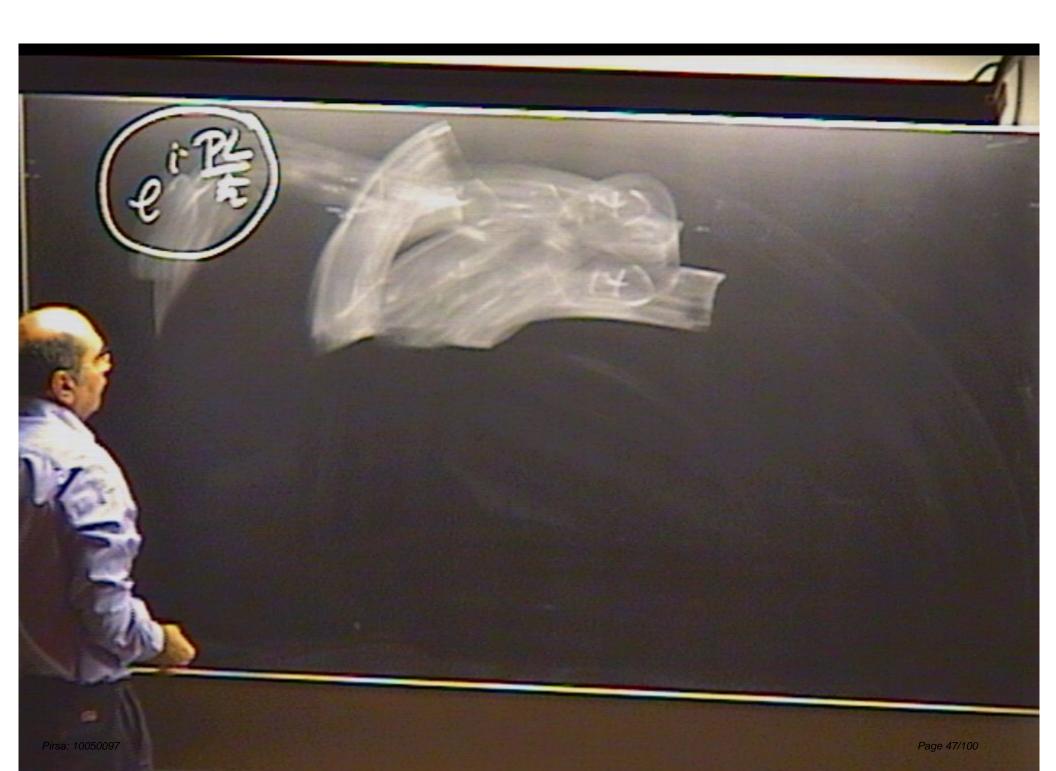


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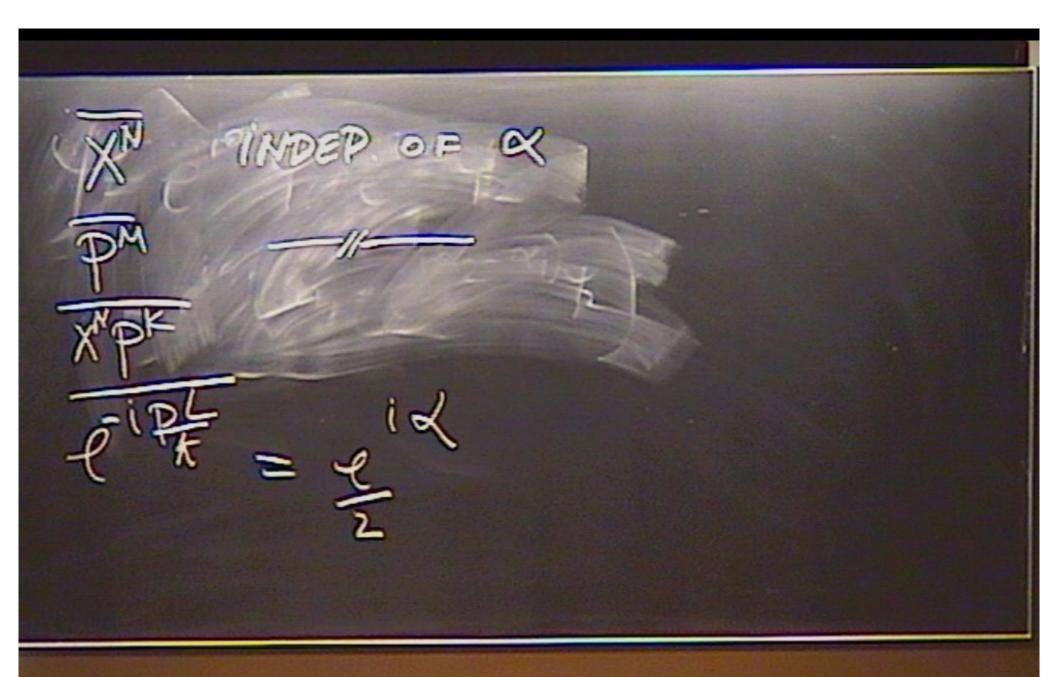






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H= 是从 + V(x)

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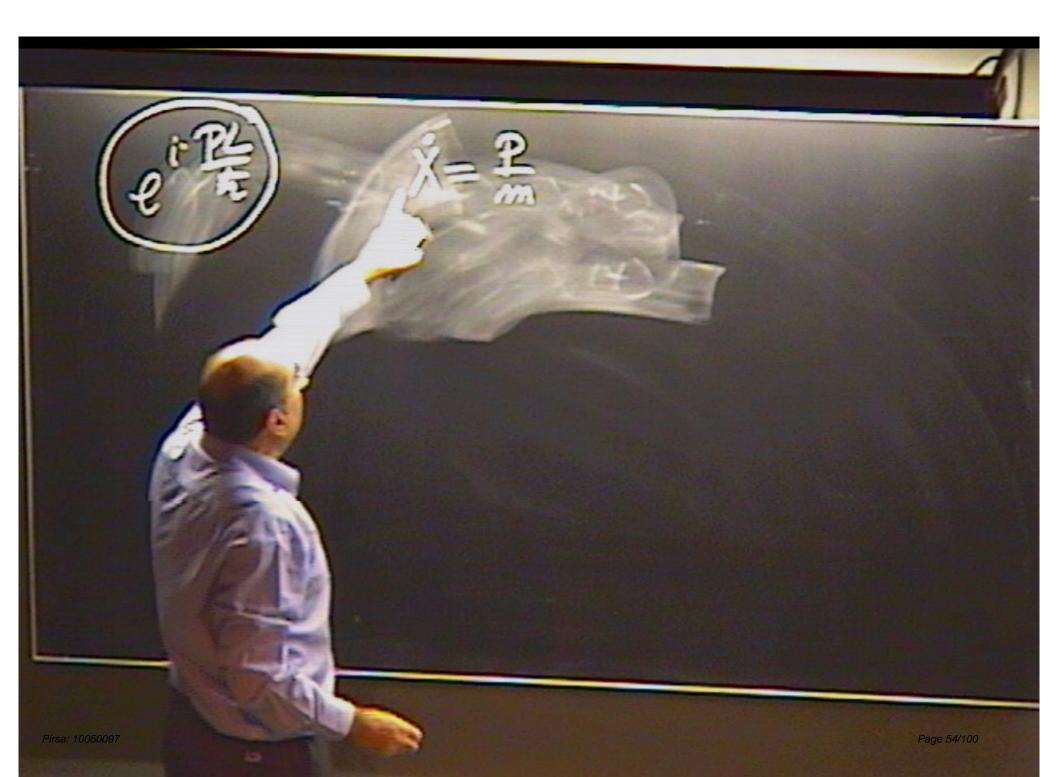


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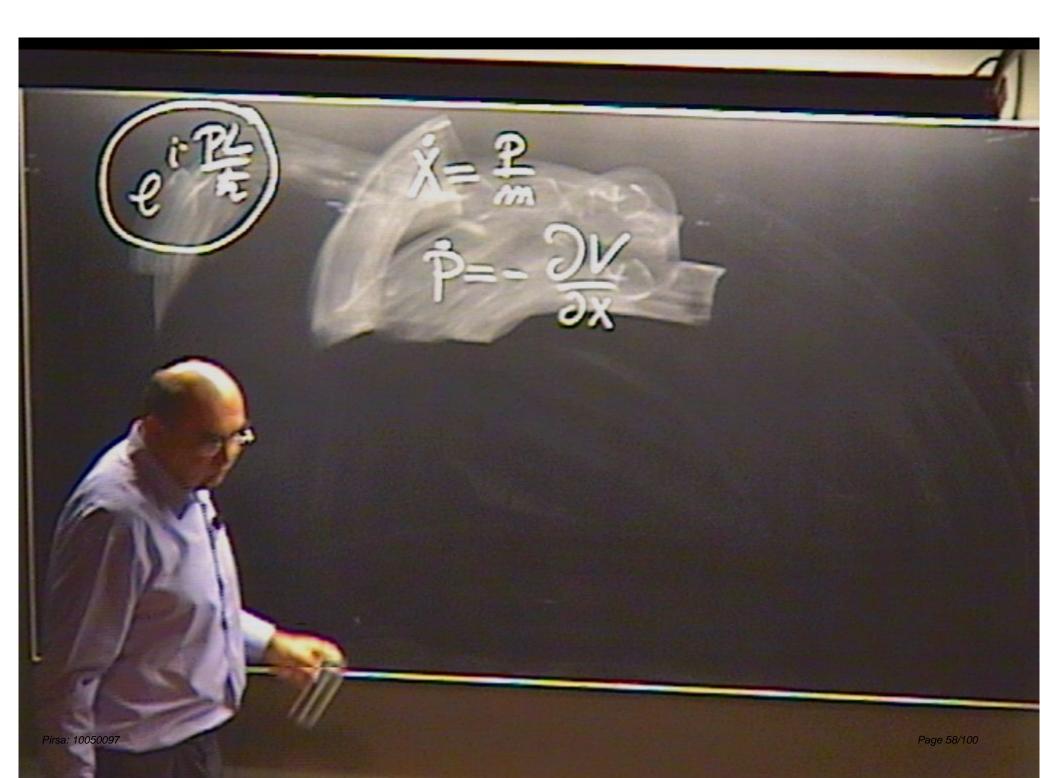
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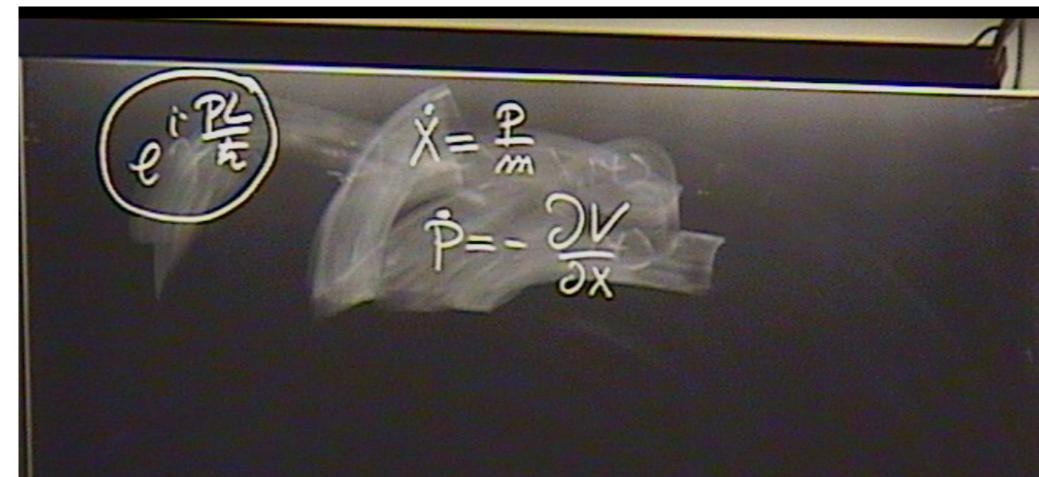
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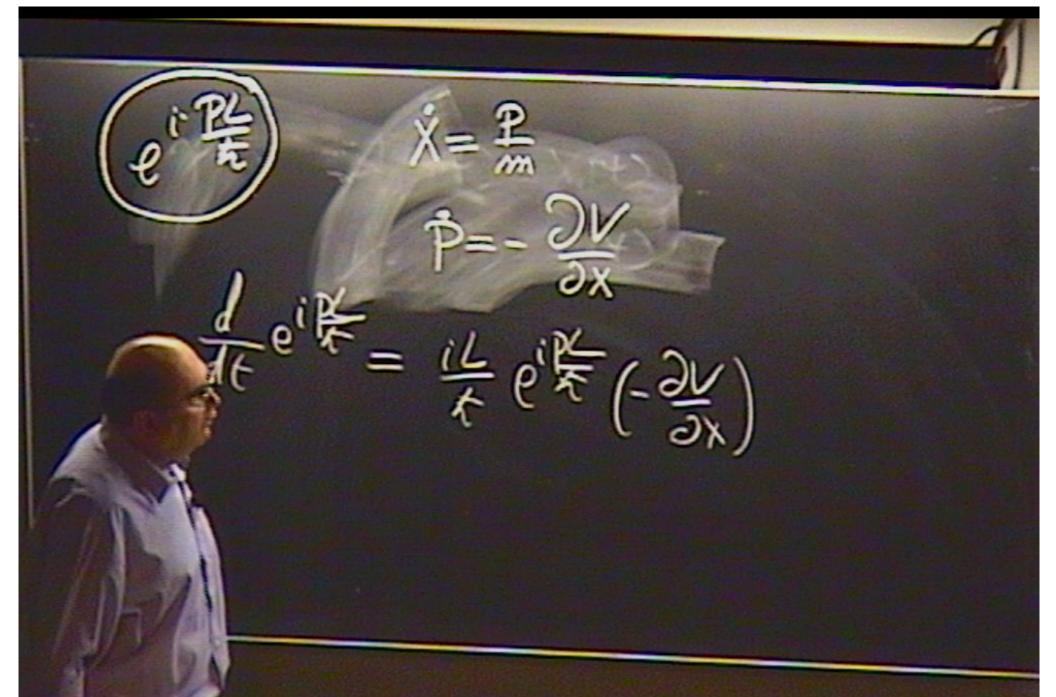
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H= = + V(x)

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= + V(x)

H= 器+ V(x)

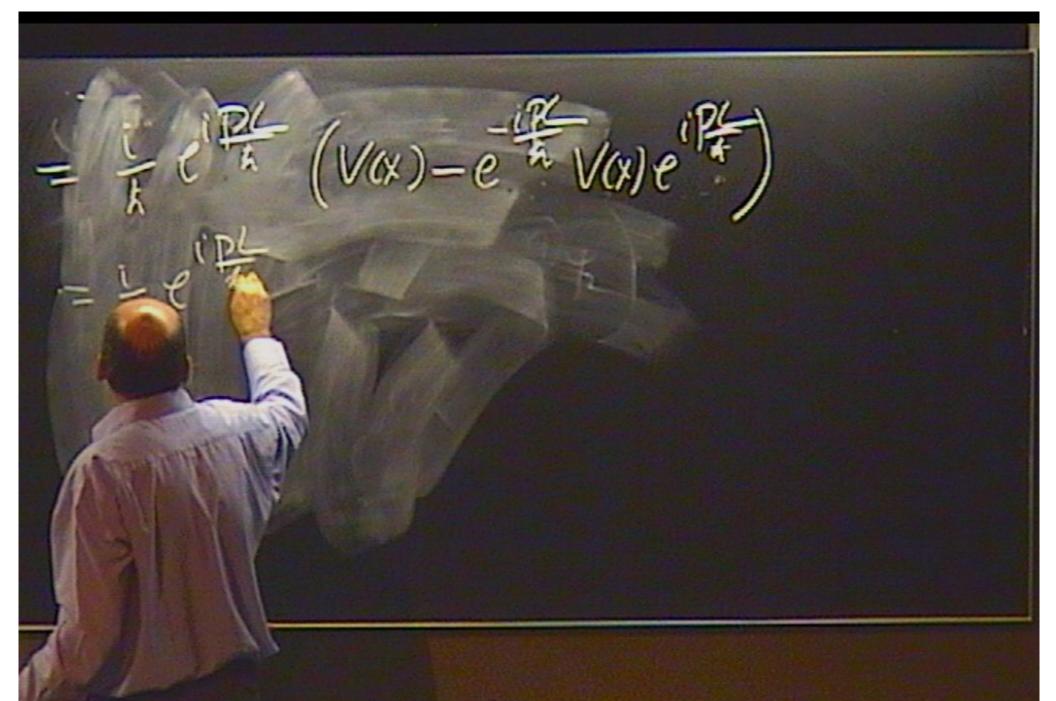
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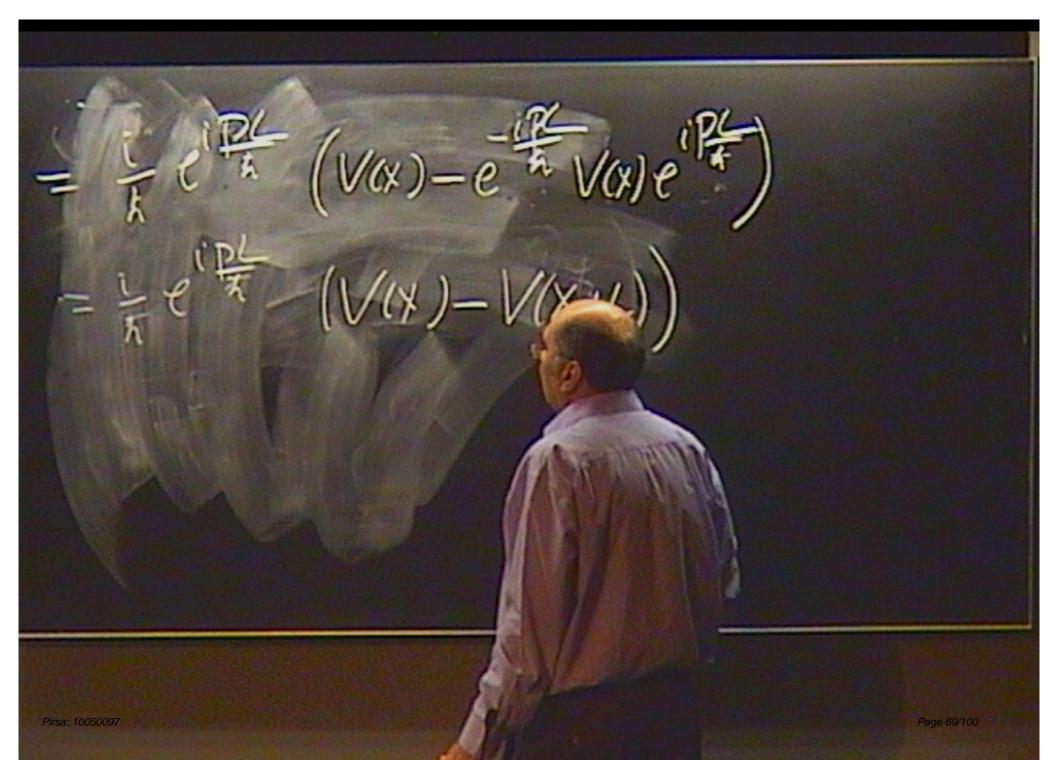
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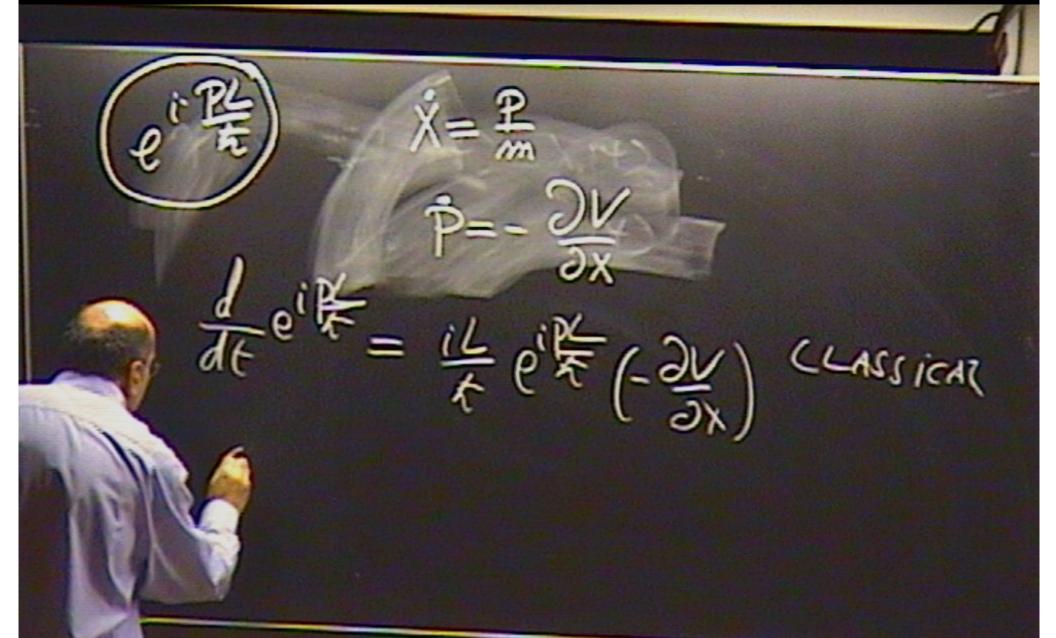
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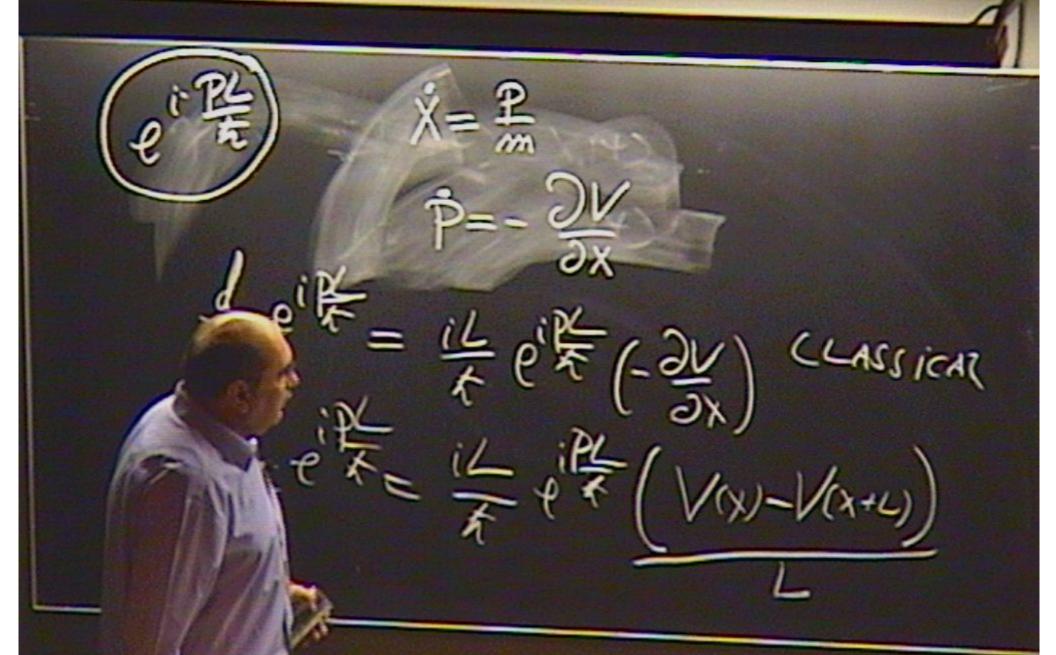
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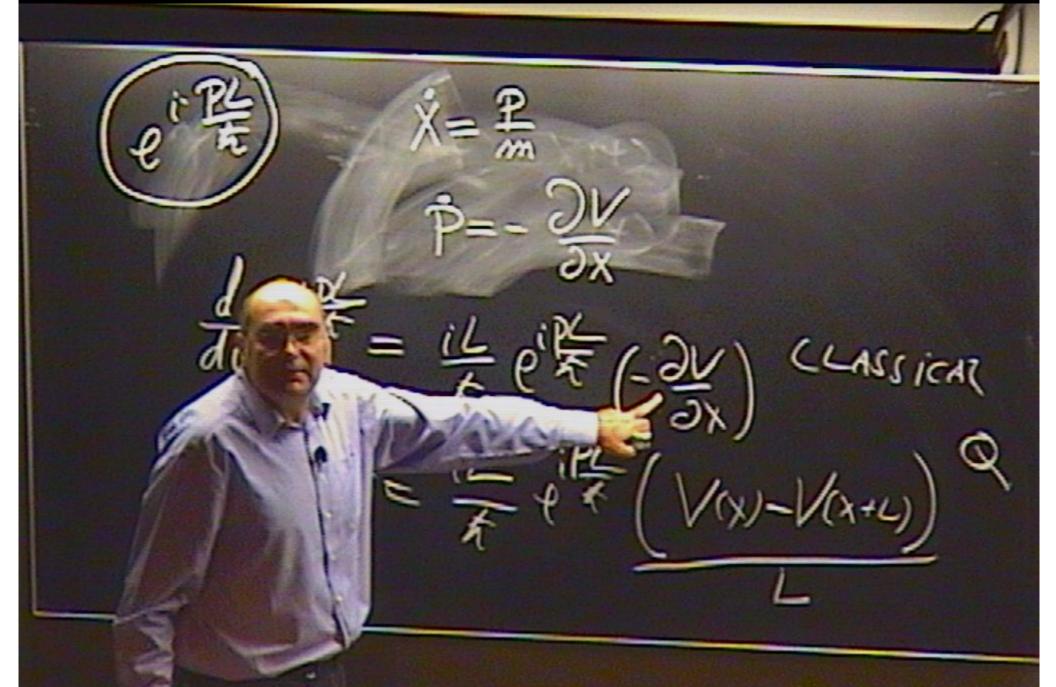
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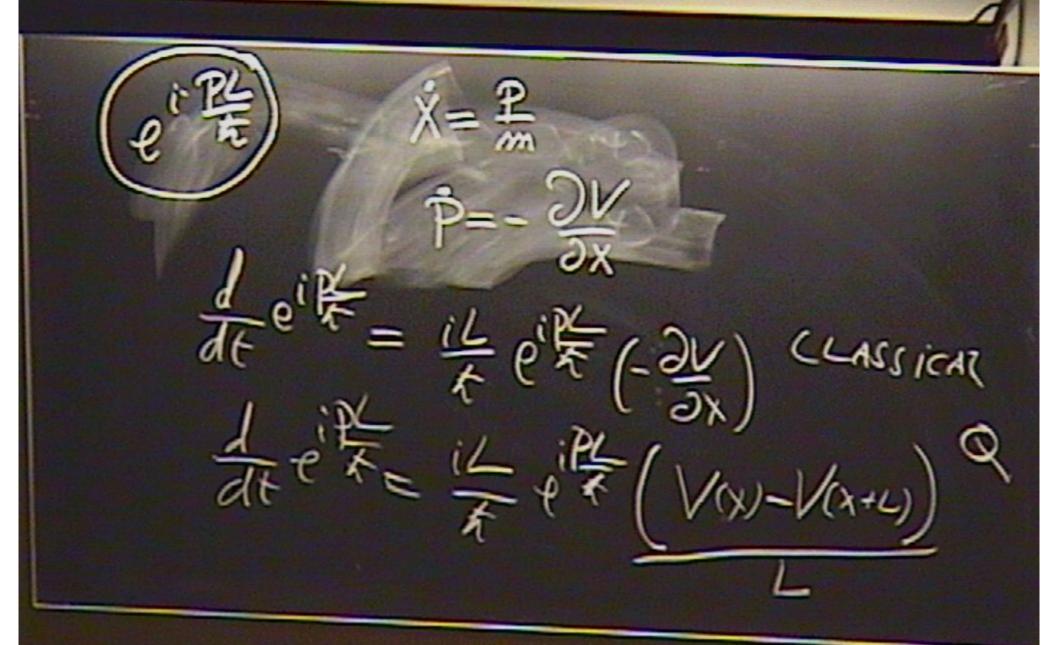








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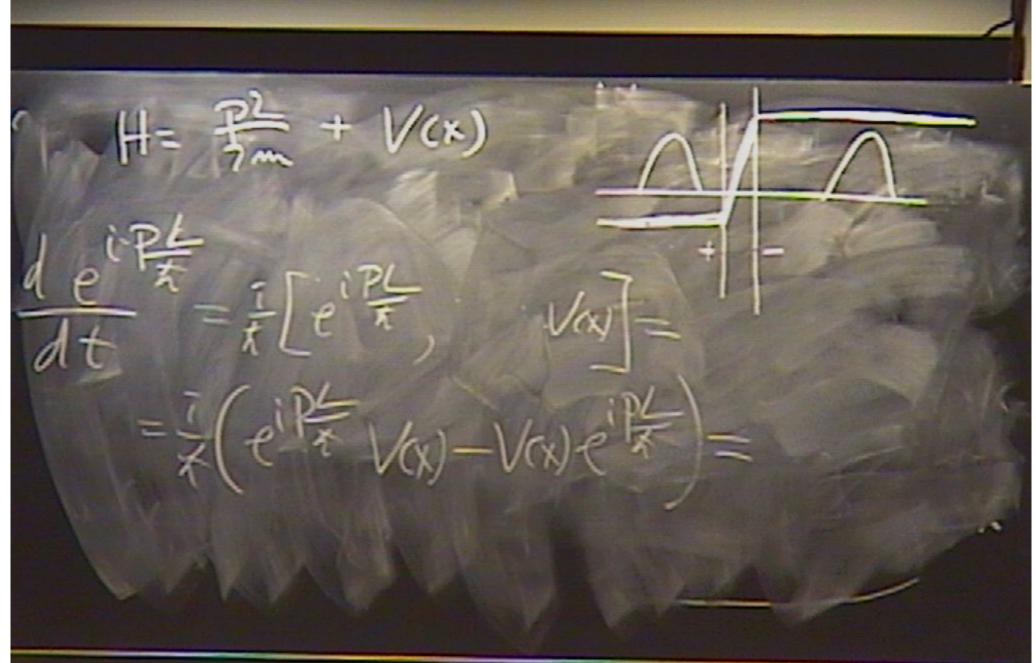


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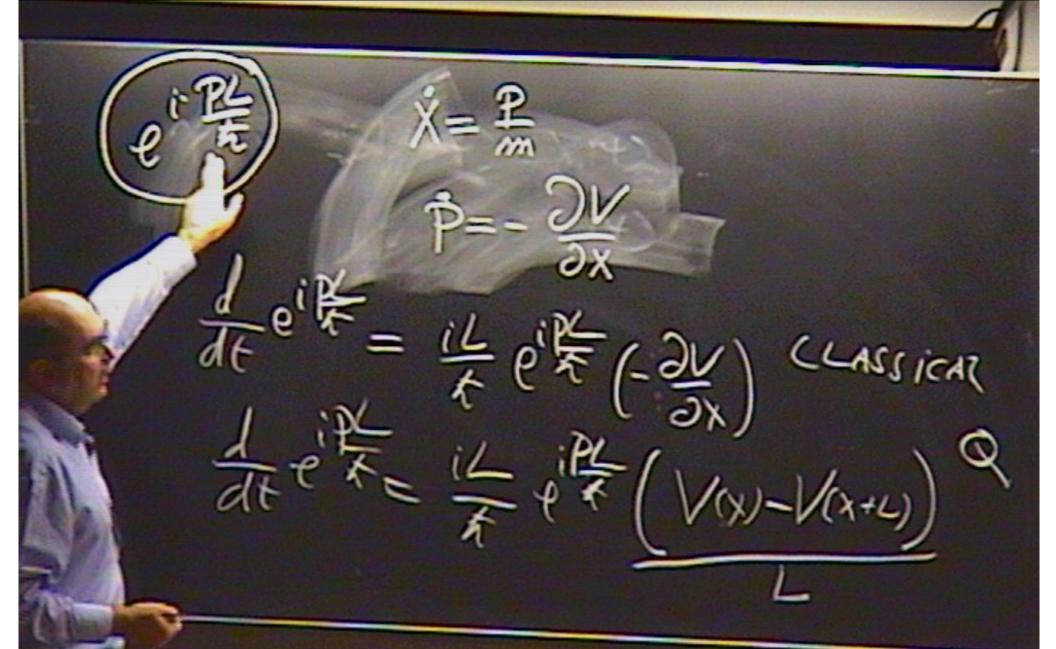
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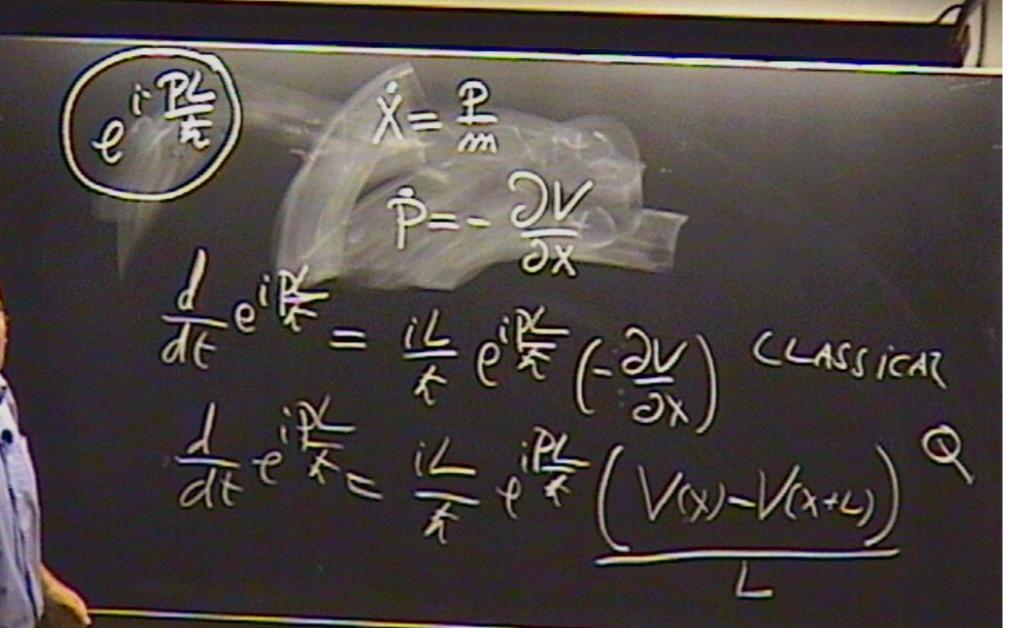
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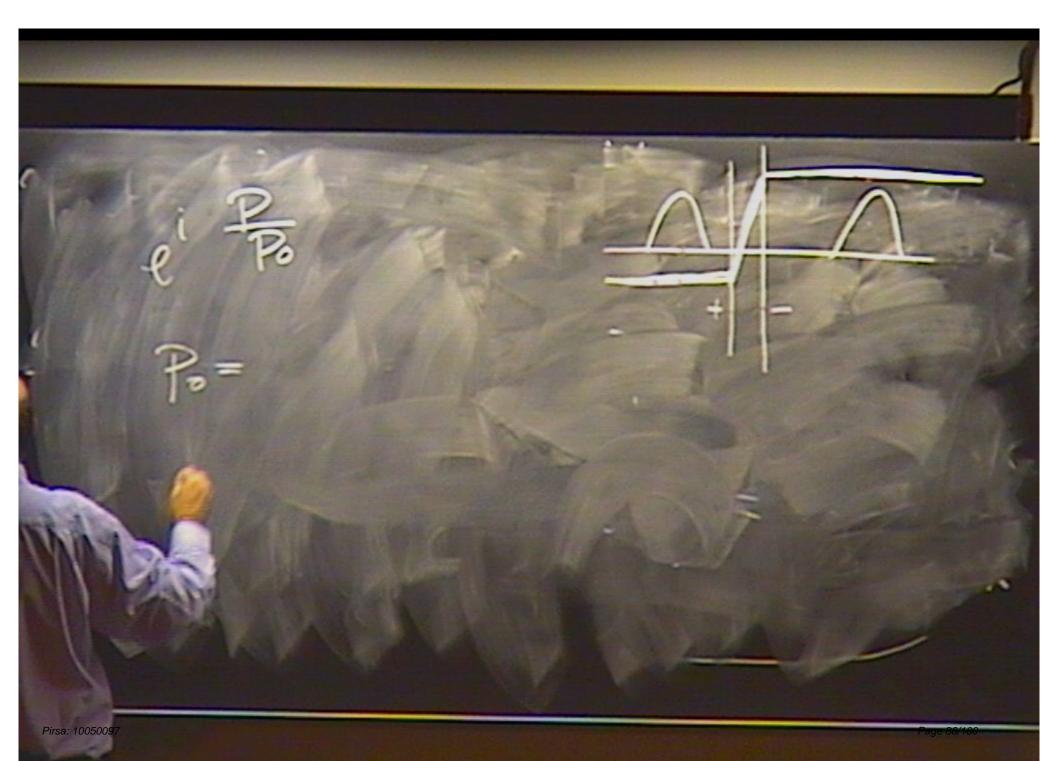


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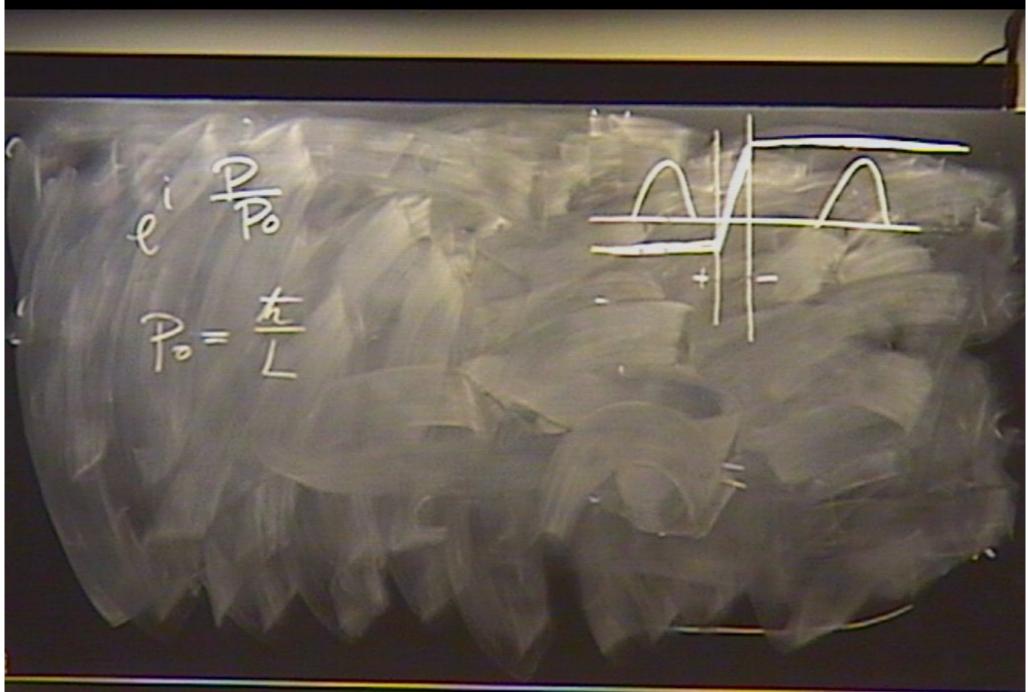




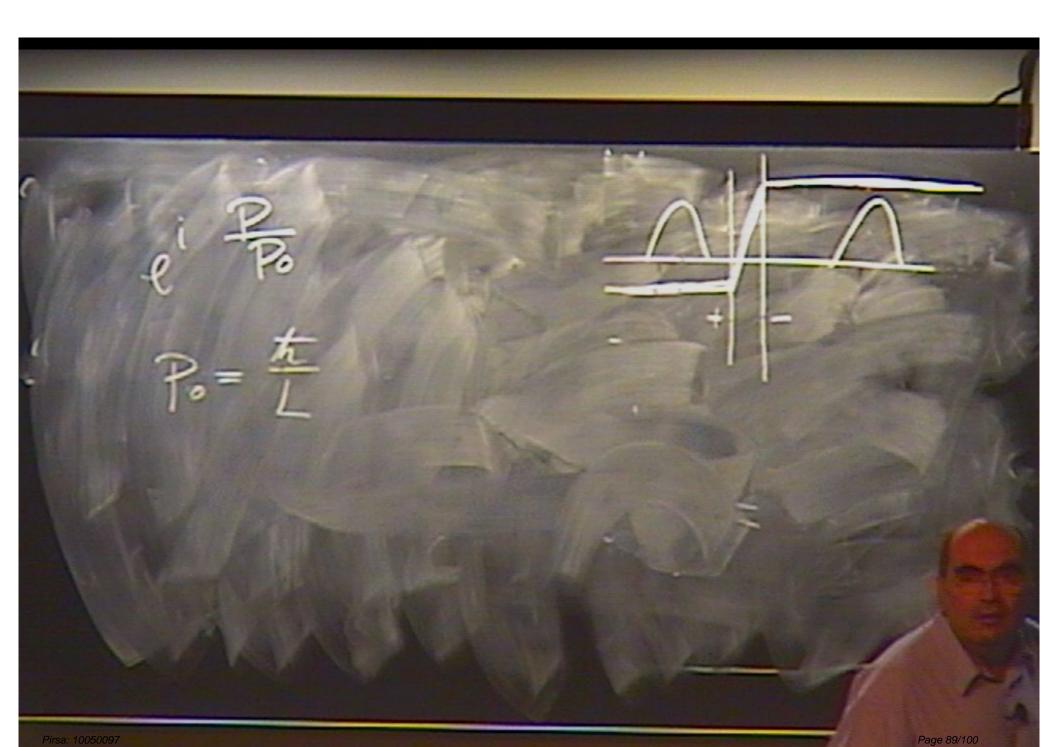
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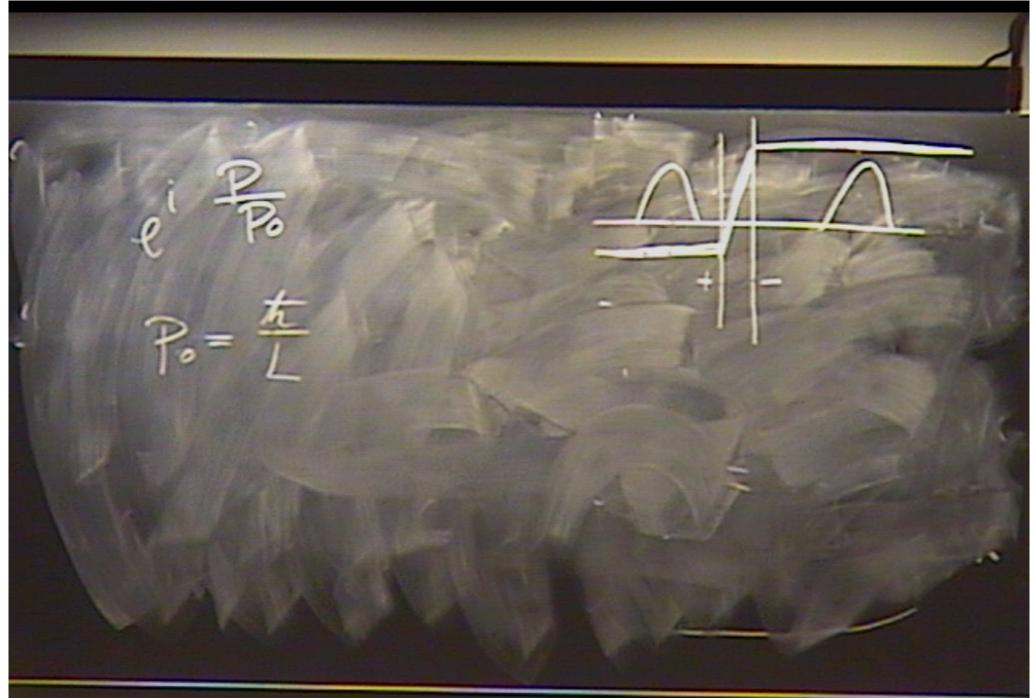


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