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VA. Théorie des perturbations pour GR

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VA. GR: GR: GR + GR V GR

VA. Dieg. de Feynmann

- Position

- Quantité de mouvement

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19. Jose fosmelles

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10. Mogenne eur impunetris

21. Resommation
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## Partie II Fonctions de Green à Tfisie

23. Résultats principaux 22me quant.

1. Espace de Fock: création-amihilation

1. Fermions

J. Bosons

7. Chargement de base

3. Opérateurs à leorps

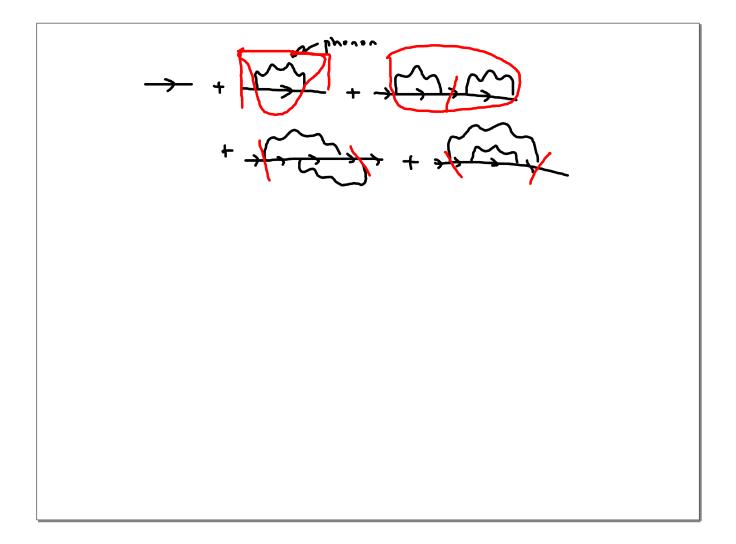
4. " a 2 corps

Reppel: 
$$\langle r|\hat{G}^{R}(c)|r\rangle = \langle r|\frac{1}{C^{R}}|r\rangle$$

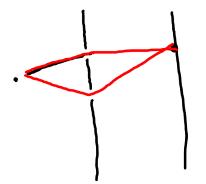
H=H<sub>0</sub>+V

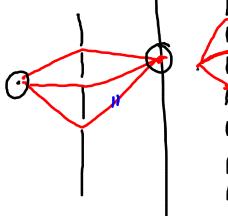
 $\frac{1}{U+i\epsilon-H_{0}V}: \hat{G}^{R}=\hat{G}^{R}+\hat{G}^{R}_{0}V\hat{G}^{R}+\hat{G}^{R}_{0$ 

févr. 4-09:01



## 22. Intégrale de chemin





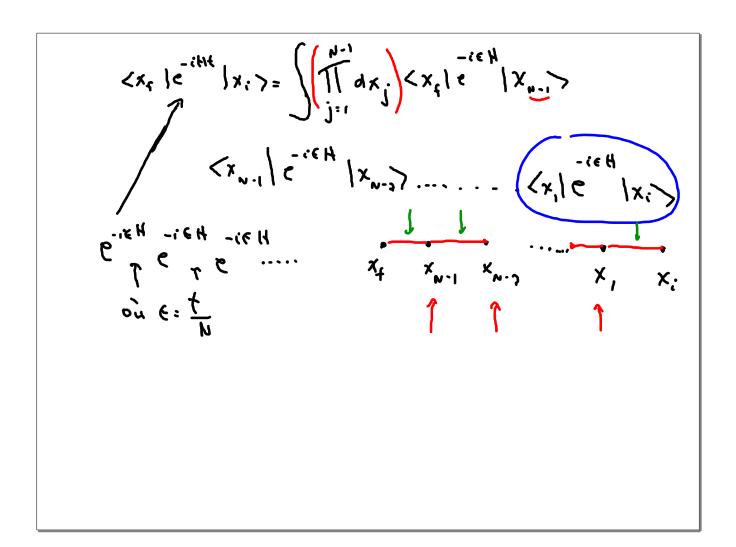


$$(x^{t}/6_{-iHt}/x^{i}) = C_{s}(x^{t}, x^{i}, o)$$

Sur petit intervalle

$$\langle x_{\xi} | e^{-i\xi(K+V)} | x_{\xi} \rangle$$

$$\langle x_{\xi} | e^{-i\xi(K+V)}$$



$$\langle x_{\xi} \mid e^{-iHt} \mid x_{i} \rangle = \int_{J_{\pi}}^{J_{\pi}} dx_{j} \left( \sqrt{\frac{m}{n}} \frac{n}{n} \right) \left( \sqrt{\frac{m}{n}} \frac{n}{t} \right)$$

$$= \frac{i \varepsilon}{\varepsilon} \left( \left( \frac{x_{\xi} - x_{n-1}}{\varepsilon} \right) \frac{\pi}{n} - J(x_{n-1}) \right) \qquad i \varepsilon \left( \frac{1}{2} \left( \frac{x_{n-1} - x_{n-2}}{\varepsilon} \right) - J(x_{n}) \right)$$

$$= \int_{J_{\pi}}^{J_{\pi}} dx_{j} \left( \frac{x_{j} - x_{n}}{\varepsilon} \right) \frac{1}{n} - J(x_{n})$$

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## 

Cas a et a<sup>4</sup>

$$\langle \alpha_i | \alpha_j \rangle = \delta_{ij}$$

$$\langle \alpha_i | \alpha_j \rangle = \delta_{ij}$$

$$\langle \alpha_i | \alpha_j^{\dagger} \rangle = \delta_{ij}$$

$$\langle \alpha_i^{\dagger} | \alpha_j^{\dagger}$$

