Stal mech: 2008 6.4)+(20)

Stoner Instability

(0010 6 755 6 NO.33 20 (510) FO (12) (50 NE 1/103) (5)

N= 9 13600,6 1/010 (5

1 16 1 PY17 B, NED ON N=N-N+ N+ DUCO

N= [1 31371102 Exm KF+ 1/63N

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ה) ביכלי היפונית את התלות ש העישוש M 3-7.

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= 2V. K2. 44 . KFS

En = 3 (3H2) 2/3 +2 n 5/3

 $U = \lambda \frac{N_{+}N_{-}}{V}$ $V_{f\pm} = \left(6\pi^{2} \Omega_{\pm}\right)^{1/3}$

ב) כצת עוט פים שישל משיך ציה בצו הה צועה לסדף א

JWN

Eur = 3 (6172)2/3 +2 (1 5/3+ 1 5/3)

$$\int -2 \int |\nabla x|^{2} dx = \left(\frac{1}{2} \pm \int \right)^{5/3} = \left(\frac{1}{2}\right)^{5/3} \left(1 \pm \frac{25}{3}\right)^{5/3} \left(1 \pm \frac{25}{3}\right)^{5/3} = \left(\frac{1}{2} \pm \frac{5}{3}\right)^{5/3} \left(1 \pm \frac{5}{3}\right)^{5/3} = \left(\frac{1}{2} \pm \frac$$

פרפוי השיפתים עם "א השיעול עחליפים סימן, והשימריף אם פער

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$$\frac{E}{V} = \frac{E_{\text{out}} + U}{V} + \left[\frac{4}{3} (3\pi^2)^{2/3} \pm \frac{1}{3} n^{-1/3} - 2 \right] S^2 + (4n^3 S'' + QS') \int_{0}^{3} (C_4 = 0) \int_{0}^{3} (C_4 = 0$$

 $M = N_{t} - N_{t} = \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) = 2\epsilon$ $A = \int_{t}^{t} \left(\frac{1}{2} - \epsilon\right) \left(\frac{$

csa osts official salv ains N(Ex) = 1/2 1/2 · KE (Kx = (3112n)/3) $N(E_F) = \frac{h^2}{2m} \cdot 2\pi^2 \cdot (3\pi^2)^{\frac{1}{3}} \cdot n^{\frac{1}{3}}$ $=\frac{k^2}{2m}\cdot\frac{3}{3}\cdot(3\pi^2)^{\frac{1}{3}}\cdot n^{\frac{1}{3}}$ N(Ex) - 1 N(Ex) 101 + 821 1 P2 Uleve N(Ex) = 4 2 (3 12)2/3. 13 = dc /60N מכאן קיולנו שהעערכרן מעציפר לתסתצר בצורה ברועשלים Stoner Criterion 25/60 /1060p 135. יז ל שהמקפק של לי האיד חיורי E = Fo + C252 + C454 (z=dc-d) 25 = 2(25+4(453 =0 $\int_{0}^{2} = -\frac{1}{2} \frac{C^{2}}{C^{4}} \propto (d-dc) \left(\frac{C^{2}}{2} = 0 \right) \frac{100}{0.00}$ 52/2-20 Mas -0 4167, (WE'N)

Semmerfeld PIDIO 13 | 10KD 1701 PDD) | FED $\frac{E_{L\pm}}{V} = \frac{3}{5} \left(\frac{6\pi^2}{2} \right)^{2/3} \cdot \frac{\pm^2}{2n} \cdot \Omega_{\pm}^{4} \left(1 + \frac{5\pi^2}{12} \left(\frac{kT}{E_{\pm}} \right)^2 \right)$ $= \frac{3}{5} \alpha \Omega_{\pm}^{5/3} + \frac{3}{5} \frac{5}{6} (h7)^{2} \Omega_{\pm}^{1/3} \qquad \left(\alpha = \left(\frac{3}{200}\right)^{2/3} \frac{1}{200}, \ 6 = \frac{5}{12}\right)^{2/3}$ $\Omega_{\pm}^{1/3} = \left(\frac{2}{2} \pm \delta\right)^{1/3} = \left(\frac{2}{2}\right)^{1/3} \left(1 \pm \frac{1}{2}\right)^{1/3} \left(1 \pm \frac{1}{2}\right)^{1/3}$ $\frac{2c_{1}+2c_{2}}{V} = \frac{2c_{2}}{V} + \left(\frac{11^{2}}{4} \left(\frac{8}{3} \right)^{2/3} + \frac{2m}{2} \right) (47)^{2} \cdot n^{1/3} \left(2 - \sqrt{3} - \sqrt{3} \right)$ $\frac{V^{+}k}{V} = U_{0}(n,T) + \left[d_{90} - \left(\frac{17^{2}}{4}\left(\frac{9\pi}{3}\right)^{2/3} + \frac{9}{4\pi}\right](kT)^{2} \cdot \frac{9}{9}n^{-4/3} - d\right]s^{2}$ $+ Q(S^{4})$ dc(T) ≈ dc, 0 - (3/7°(87)°/5, 2m2 n -5/3)(LT) 3

ותכן וקיימת למות מישע דטקקמים הקרידים.