考底,Ns个微块三的集合(3辖), 材应(E.N.V).			
取名产品十种致范: $dT = \prod_{i=1}^{m} d^{3}P_{i} d^{4}Q_{i}$			
浸其中代亳洛的额因为 αNς			
文文代基基的名 方:			
$\rho(p,q) = \lim_{\substack{\text{of } \to 0 \\ N_S \to \infty}} \frac{1}{N_S} \frac{\Delta N_S}{\text{od}_T}$. (Fig. 12. N _S : 93-14. $\int \rho dT = 1$.)			
对多可稅(例号 O(P.9):(例:E = Š (戸)			
免义 3路车均 ensemble average:			
〈O〉 ^(t) = : ∫ UT O(P.8>p(p.g.+)			
年似王宏林: <u>00(1984)</u> =0. (注意是是,)助迫坚宏做的是对 <u>给</u> 类的注置(198) 遍历》	i30,		
⇒ 多露代基立云扫室询中如何侵化. <u>而予是驱跑某团代基五!)</u>			
哈落妆量 H=H(fp:3,fq:3) - 子墨含对同,(夏1xg-荐配子含时元)			
对左的运动方程为:			
$\begin{cases} 2\dot{i} = \frac{\partial H}{\partial p_i} \\ \dot{p}_i = -\frac{\partial H}{\partial q_i} \\ \dot{p}_i = -\frac{\partial H}{\partial q_i} \end{cases} \dot{i} = 1, 2, \cdots, 3N$			
代名五个 <u>独多恒</u> → 敵名废锅及连段性方程			
<u>ðe</u> + Þ·(pず) = 0. [信意: 能速棒掀吳国为ዹ力等版限. 把离骸化为3连缓!			
元相至询中, 刘川亳师书中肇豫仍证明,是针对离散子役的严操证明	A!]		
$\nabla = \left(\left\{ \frac{\partial}{\partial q_i} \right\}_i, \left\{ \frac{\partial}{\partial p_i} \right\} \right)$			
$\vec{v} = (\{\vec{x}; \vec{y}, \{\vec{y}; \vec{y}\})$			
代义连接性方程,有			
$\frac{\partial \rho}{\partial \psi} + \sum_{i=1}^{2M} \left[\frac{\partial}{\partial q_i} (\rho q_i^i) + \frac{\partial}{\partial p_i} (\rho p_i^i) \right] = 0.$			
及·开:			
$\frac{\partial \rho}{\partial t} + \frac{\partial r}{\partial x_1} \left[\rho \left(\frac{\partial \dot{q}_1}{\partial \dot{q}_1} + \frac{\partial \dot{p}_2}{\partial \dot{p}_2} \right) + \dot{q}_1 \frac{\partial \rho}{\partial \dot{q}_1} + \dot{p}_1 \frac{\partial \rho}{\partial \dot{p}_1} \right] = 0$			
火 入运动方程:			
$\frac{\partial \rho}{\partial t} + \sum_{i=1}^{3d} \left[\rho\left(\frac{\partial}{\partial \hat{q}_i}, \frac{\partial H}{\partial \hat{p}_i} - \frac{\partial}{\partial \hat{p}_i}, \frac{\partial H}{\partial \hat{q}_i} \right) + \hat{q}_i, \frac{\partial \rho}{\partial \hat{q}_i} + \hat{p}_i, \frac{\partial \rho}{\partial \hat{p}_i} \right] = 0$			
$\frac{\partial \rho}{\partial t} + \frac{\partial h}{\partial t} \left(\frac{\partial \rho}{\partial q_1} \cdot q_1 + \frac{\partial \rho}{\partial p_1} \cdot p_2 \right) = 0$			
⇒ <u>能</u> = 0. 这下的意思是: 距路			
注铅记钻为刘伟华灰狸,Liouville's Theorem,这是哈鬼极多纹杨青遍甘压!			
与弦体戛虹: 捆星闭肠代系飞,就像另可压陷仍弦体.			
年龄总容术 ster = 0. 购必仅有			
$\sum_{i=1}^{3\nu} \left(\frac{\partial \rho_i}{\partial \hat{q}_i} \dot{\hat{q}}_i + \frac{\partial \rho_i}{\partial \hat{p}_i} \dot{\hat{p}}_i \right) = 0. \text{The } \left\{ \rho_{\text{eq}} \cdot H \right\} = 0. $ (Fig. 43)			
可以满处的情形:			
$\begin{cases} P_{eq} = Const. & \text{the Imp} \\ P_{eq} = f(H). & \text{Imp} \end{cases}$			
[颚吋运而饰决: 雅耳枫3 → 革稅3 稅後化?]			

· NT铅子的铅典子统

, 7	程度上991 61名						
	名欢牧王(EVN)(孤注张)						
	微欢状玉:相至泪中具面围之配-	是巨的超曲面上的	代基立				
	[0]: Pu = ?						
	亨搬年假设	。 万万汉征啊,这是尧啊?	* %163.				
	Pu=						
	Ω(E,N.V):微观孟昭五数。(i	适;假沒的亏投是	(E7達!)				
	彻 理想气体 (分子元相互作用)						
	$E = \sum_{i=1}^{N} \frac{\vec{P}_i^2}{2m} \cdot \mathcal{D}(E, V, N) = ?$						
	$ \mathcal{N}(E, V, N) = \int \prod_{i=1}^{M} \alpha^{5} P_{i} \alpha^{5} q_{i} \cdot [E \in \mathbb{R}] $	Hu≤E+△] (意且是	兵克层内 <u>均匀分升</u> 。	伝搬正列3镐中Paq:	= Const, V) (?)		
	⇒ 豈纲:(作						
		h³M。(-牙村理74:"		h 矽羟国内可看作	闰-种飞)		
	方然是,对牙筒车	3量3体3直接计算	2,対北編文.				
	$=\frac{\sqrt{N}}{h^{\frac{2N}{N}}}\int \prod_{i=1}^{N}\alpha i^{3}P_{i}\cdot [E=$	Hµ ≤ E+0]					
	• \(\sum_{i=1}^{N}\)	P:2 = 2mE, 3N1/3 2	自19中的超球面(药	病(为体致)			
		ER=VzmE.					
	= <u>VN</u> · 差面報· AR·						
	$= \frac{V^{N}}{h^{3N}} \cdot (zmE)^{\frac{3N-1}{2}} \cdot S_{3}$	N·△R. (S3n:3N	(张昭主体石)				
		Sa = ?	· 考虑 Id = ∫ dx;·	· dxa e- \$\frac{\sqrt{1}}{2} \times_{i^2}			
) ^d = (√2) ^d - I	涌生扮 ,		
			Id = Sa. frol-1	xr·e-r° = セト(皇))·Sa - 铁生锅。		
			$\Rightarrow S_{\alpha} = \frac{2\lambda^{\alpha/2}}{\Gamma(\frac{\alpha}{2})}$	。 (运可指: Va	$= \frac{1}{d} \operatorname{Sor} R^{d} = \frac{Z^{d/2}}{\left(\frac{d}{2}\right)!} \tilde{R}^{d}$	· (2 ^d)	
	$= \frac{V^N}{h^{\frac{2N}{2}}} \cdot \left(2mE\right)^{\frac{2N-1}{2}} \cdot \frac{2N}{T}$	3½ · △R	$\sqrt{zm(E+\Delta)} = R \cdot \sqrt{1}$ $\sim \sqrt{\frac{m}{2}} \Delta.$	+ 全 ~ R(1+ 全)			
	$= \frac{V^{n}}{h^{\frac{3n}{2}}} \cdot \left(2mE\right)^{\frac{3n-1}{2}} \cdot \frac{2x}{T}$			集中元惠面)(?)			