5 5 5 Zela frata (al Miet Longerin extern force Delte Cord Overdonged Lorgenz



Fy

E(x,y) Tort loom

Men fine on 
$$x = \langle \frac{\partial E}{\partial x} \rangle = \int_{0}^{\infty} dy P(y|x) \frac{\partial E}{\partial x}$$

$$\frac{2}{2}(y|x) = \frac{p(x,y)}{p(x)} =$$

$$\frac{2}{2}(y|x) = \frac{P(x,y)}{P(x)} = \frac{e^{-hE(x,y)} + bE_{xy}}{(hy e^{-hE(x,y)} + AF_{xy})}$$

Post wie Free every

défine 
$$\vec{F}_{xy}(zx) = -\frac{1}{6}\ln \int dy e^{-6\vec{E}(z,y)}$$

$$\frac{\partial F_{(x)}}{\partial x} = \frac{\int dy \ e^{-\Lambda E(x,y)} \ \partial E_{x}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)} \ \partial E_{x}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda E(x,y)}} = \frac{\int dy \ e^{-\Lambda E(x,y)}}{\int dy \ e^{-\Lambda$$

$$\frac{\partial}{\partial x} = \frac{\partial}{\partial x}$$

BerezhKovskii 4 Szobo 2011 (Klein - Kromen = Fo KKar - Plak underbood = Smuluchouski ex

 $= -\frac{\partial}{\partial x} E^{MF}(x) + 8fz$  $m\ddot{x} = f_x(t)$  $-\frac{\partial \mathcal{E}(x,y)}{\partial x} + \left(\frac{\partial \mathcal{E}(x,y)}{\partial x}\right)$ - DE(x,y)

Friction unt to displacement Appointus Str=0

or Stx is delh condled white home delh conduld when home  $Y = B \left( S f_{2}(u) S f_{2}(t) \right)$  dt Siveket d 2012

1 Siveket d 2012

Siveket d 2012

Siveket d 2012

Siveket d 2012 8fx = - Yoc + C E

#4

D= M = Mobility = 40 = 188

Girsten Robinson B8 (BO) : D (Y will be matrix) lon Rey rolds trunder Re

Bothy & Robus

(Rotio of inertial to viscous forces)

Viscousity

Micro Nivles is at lon Regulation

To forther role & Rolars. Stokes - Eintein en.

.19 .

estatu Mrs

 $P(v) \neq e^{-\frac{6}{2}m_{x}v^{2}}$ 

Problems -> Aggradation of N partiles Rober ~ N's

But in larger does not mark

Discording averyone Lo to move in sur due to 1 Dis In

Rober? Language breaks Galillan Sympthmes No double from at rest.

Putential Solution Dissipative Porticle Dynamics

distingting the theory tour between posticles.

Lorgeria PAR Action

HUN1 9 Ross 1981

 $m \stackrel{\circ}{\circ} (t) = \int (x) - \gamma(x) \stackrel{\circ}{\circ} (t) + \stackrel{\circ}{\circ} (t) \stackrel{\circ}{\circ} (t) = 0 \quad \langle \xi ; (t) \rangle = 27 \text{ Set.}$   $P[x | x | 0)] = e^{-A^{\circ} (t) (a^{\circ} S)} = \int 2(t) M \quad e^{-\int x} \frac{f(t)}{f(t)} = \int f(t) M \quad e^{-\int x} \frac{f(t)}{$ P[E] & a ex/-1/3 Toute is got independent. 

## Se Kimuto 1998

		E		No.			4
*							
					6	Win wi	
	*			9		*	
							*
			g. 3-	44			
*			4				
	**.	4.79		48			× a
p				*			10
				*	>		
			8.			*	
				4			
	16					40	
				9			
			A		*		,
							*
					* *		
				-			
<b>e</b>	* . *						*
						100	#
					*		*
			* * * * * * * * * * * * * * * * * * * *	3		\$	
					*		3
			*				A.
			*	4.	<b>W</b>		
	3		9	8			
8							*
			· · · · · · · · · · · · · · · · · · ·		* 1		
			*				
₩			<b>1</b> .				
		•					
	ģ						
*		*					
A			* * * * * * * * * * * * * * * * * * *			8	
		*			i.		
	/ 137 ·				*	*	
			*		· ·		
		**************************************					
				A to A	11/2		
	446						
**					**************************************		
					16 (6)		
		No.		1	φ. Σ-1	1070	man in the
		A CONTRACTOR OF THE CONTRACTOR			Section and Control	A SECTION OF	No.