



	10 lon (a
	Error propagation to functions of incertain parametris.
enemical construction and an artist of the construction of the con	That is, if we have a posterior for X, what is the posterior for $Y=f(X)$?
	$\rho(x t)$
	P(9/I)
***************************************	[5]
	X X X Y = D(x)
	labort do no kan? Porbolite, in the interior must be the
	What do we know. Probability in Ito interval must be Re surre, regardless of what variable is used, X or Y.
Notice through a finite transport of the finite transport of transpo	=> p(x=x*1I) &x = p(y=y*1I) &y with y*=f(x*)
0	
	Must be true for all XX >> p(XII) = p(YII) x dY in Express
	· Brown peak example. Signal peak measured as A= A + On
	likelihood => $\rho(D(A,T)) \propto e^{-(A-A_0)^2/3O_A^3}$
300ulahdamillistikassarrasvestiseitassarlahdan	prior > P(HII) = \ O ACO Physically, amplitude 70,
	Bragg peak example. Signal peak measured as $A = (A_0^{\pm} O_A)^{\pm}$ likelihood => $\rho(D(A, I))$ a $e^{-(A + A_0)^2/20A^2}$ prior => $\rho(A I) = \rho(A I) = \rho(A I)$ even if $A_0 < O$. The complex structure factor $\rho(A I) = \rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$ The complex structure factor $\rho(A I) = \rho(A I)$
oolidellistaduseen vaan on maan on maa	$\rho(f)(0,t) = \rho(A)(0,t) \left \frac{\partial A}{\partial f} \right ^{2} 2f$
	⇒ p(f(D,I) x f e-(f2A0)2/2022 for f>0
***************************************	pitily 1) a te con the con
	If a Gaussian approximation is good, what is fot Op?
	(f)=1(h)+2 f2 f1-f3) t of (20) (6=1A) > 1/2 (1=0) > 1/2 (1=0)
	See how this can break down in the why boyes is better I igno notebook
	See how this can break down in the why bayes is better I ignib notebook