

The difficulty is to exp. calculate
 on the other max being $> v$.
 not the lattice max

(3)

So could derive an Hw distⁿ of h | $h - \frac{1}{2}t^2\lambda > v$?
 Then $\text{lat max} = \underline{h - \frac{1}{2}t^2\lambda}$??
 need to think about it

EC approximation gives $P(Y > v)$ for high v ;

\Rightarrow gives approximation to pdf at high v .

$$f = \frac{d}{dv} (1 - P(Y > v))$$

Let $\text{max} = h - \frac{1}{2}t^2\lambda$ ^{pos}

So $P(\text{lat max} > x) = \int$

$$h - \frac{1}{2}t^2\lambda > x$$

$\diamond h > x + \frac{1}{2}t^2\lambda$

$0 \leq t \leq \frac{1}{2} \rightarrow \text{in } 1D!$

$$\int_{h=x+\frac{1}{2}t^2\lambda}^{\infty}$$

$$\int_{t=0}^{\frac{1}{2}} p(h,t) dh dt$$

h so ~~high~~ ^{so high} so can apply the EC approximation!
 $t \geq 0 \Rightarrow x + \frac{1}{2}t^2\lambda > x$