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Tom verye utesmak torder.

T+ Bosulma sires:

$$R(t) = P(T > t)$$
 -s Saglam giveniller (Bordmanna = 6 ivenille)
 $P(T \leq t) = \int_{-\infty}^{t} f(t) dt$ $R(t) = 1 - f(t)$

Bosulma obsta1

$$f(t) = \frac{df(t)}{dt} = \frac{d}{dt} (J - R(t)) = -\frac{dR(t)}{dt}$$

$$f(t) = -\frac{dR(t)}{dt}$$

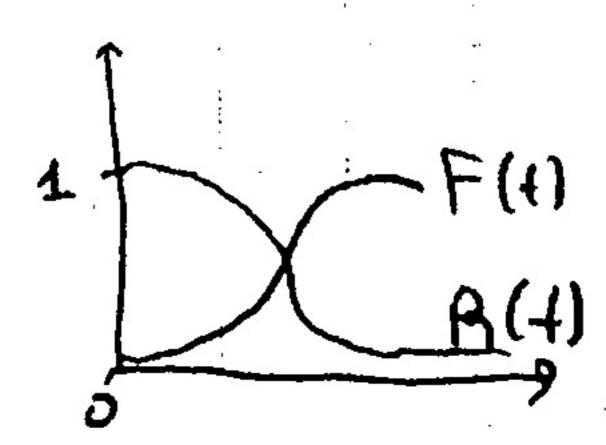
$$f(t) = \frac{df(t)}{dt} = \lim_{\Delta t \to 0} \frac{f(\xi + \delta t) - f(t)}{\Delta t}$$

$$f(t) = -\frac{dR(t)}{dt}$$

$$\int_{-\infty}^{\infty} f(t) dt = 1$$

f(t) nin ôzellikleri

- i) Azalmayen
- iii) Sagdan sürekli
 iii) lim f(t)=1
- il) Artmayan !!) Soldan strekli
- l'm f(1)=0
- 131 11m R(4)=0
- lim R(t)-1



$$P(t_{1} < T < t_{2}) = f(t_{2}) - f(t_{1})$$

$$= 1 - R(t_{1}) - (1 - R(t_{2}))$$

$$= R(t_{1}) - R(t_{2})$$

$$P(t < T < t + \Delta t) T > t) = P(A \land B) - P(t < T < t + \Delta t) T > t)$$

$$P(B) = P(T > t)$$

Haserd Enclien'

$$h(t) = f(t) = \lim_{\Delta t \to 0} \frac{(F(t+\Delta t) - F(t))}{(F(t)\Delta t)} = \frac{1}{R(t)} f(t) - \frac{f(t)}{R(t)}$$

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$$h(t) = 2(\epsilon) = \frac{f(t)}{R(t)} = \frac{-dR(t)}{R(t)}$$

$$\frac{1}{2} \left(\frac{1}{2} + \frac{1$$

$$\frac{2(t) = \frac{f(t)}{R(t)} = \frac{-dR(t)}{dt} = -\frac{R'(t)}{R(t)} = \frac{-d\ln(R(t))}{dt}}{R(t)}$$

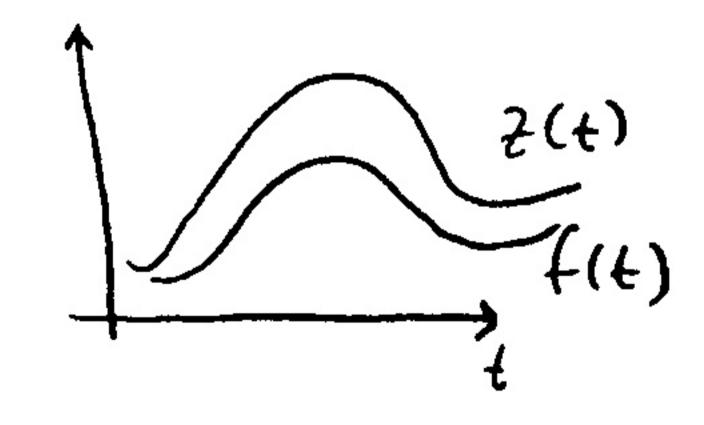
$$\int_{0}^{t} \frac{2(u)du = -\ln(R(t))}{(0-t)} = R(t) = e^{-\int_{0}^{t} 2(u)du}$$

$$f(t) = R(t) Z(t)$$

$$f(t) = Z(t) e^{-S^{t}} Z(u) du$$

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