1.2.3.4.5.6

34654546E.

死七年龄:X

@ FLM) = Pr (XEX). 770 新生化在义为前死亡的概

(3) S(X)=1-F(X)=Pr(X>X), X70. => \$1/4 dito 新生化级数数的概率。

@ 为岁人的刺绵命:Tu.

の tox= Pr I T(X) ≤t] いれは年内をよるり概義。 セアガニ Pr I T(X) > も」= 1- tox. (X) 活動 X+tのりをした。

· t=109. 7/2 do. x20 = F(x).

(B thugx = Ar (to Tix) = tru). the final \$15 mg/ at will will be the control of the control of

①、x岁人的整值剩余寿命: KUX). ke Tux ktipt.

图 配行效力/编对数代章 从水.

elx=e-soux+sols Six=e-soxusols. fix=xfo:/xx

由几个新城组成的个体

ex: 配介新生命能在法副为年龄的期望个数。

nolx = E [nDx] = lx - lam. = lot - tax fexton

Lx: 配介-一在X到7H1生存品等格。

Ta: --- It x bx fatta a to

· 国金洛加加络特险:(I(m)A)x=Joo Ht Inttil+Px Mxtcd

m = 00 = (IA)x=Jot. 1st tpx Mx++obt = Sos, Axds.

·庭文·红期:(DA)x=n=So Ut (n-It])+Ax+t od.

```
期望刺涂各合色;=EIT以].
   en = So eln olt. E[T2(x)] = 2 Sot. eln olt.
Vor [T(x)] = 250°t. eln olt - en
  期望整值剩余寿命. ex = Elkux]
  ex= Ex K+1 Px. E[Kexs]= Except 1) k=1 Px.
  Vor [ kixi]= to lakti) ktiPx - ex.
                      D 在空差均多各种的 数、
 关分数车级的假设:
                      3. Baldwan 16 1/2.
   tgx = t.gx.
tfx = 1- t.gx.
>61: 2-7 82.5 = 1 - 27 P2.5= 1-0.5 P2.5. P3. P4.002 P3
              = 1- (1-0.5. B.+). (1-93) (1-94)
                                      C1-0.2.867.
  [7]:投资气险.
  rGINItt: N发接纸,现为tt多,在X+ttr多点
          和20分配车.
  - BART, GIXI = GIX-1]+1 = GIXII+2=
```

的:某人对当我保证期对年的寿险,死亡年末照行,证6%. 死亡即到路行: 1. n与连期寿险: Axin = Evek+1 kPx 8x+k. (1). 保险金100000元, 本净重级采费. 妈春险·Ax= こひk+1kPx 8xtk. (1). Azt: 311 ×(00000 = Mzs-Nbo x/0000 1. 好年寿险. s. 海红mgshn车期存险: minAx=Ax:mm - Ax:mi = 1849.6709-916.2413 x/00000 = 40£3.73. 4. 盖达m互的络身存险: mIAX=AX-AX:m (27. 3700).957. I. 终身寿险. s. n年期际合险: Axin = LUK+ Rok+k + Umpx LI). (2000) - Azt = /00000 - Mast = 816495 = Ax: 1 + Ax: 1 (2) 189835.82 $A_X = \frac{1}{8}A_X$. $(IA)'x:m = \frac{1}{8}(2A)'x:m$. (1). (2000) · Azt: 53 = /2000. M21-1860+D60 连推成: 耳.西部: 1. Ax = Ugx + vAx+1 Px. = 6841.44 2. Ax = 199x + 10Ax+1 (1-8x). 121, 21924.888. () 对于年龄X的人在了~又问面红年期付的寿险: 3. Lyciti) Ax= lxAx+1+dx c1-Ax+1). Ax+1 - Ax = VAx - 8x (1-Ax+1). 5. Ay = \ \ 70 x - y + 1 gx (1 - Ax+1). n与斯拉存险: Cx= ox+1 存dx=Dx10gx. D8= 19x Dx. n年前在今日: Ni-Xxtn + Dxtn () Mr= & Ck+x = & G. n年制强语: Rx - Rxtn - n·Mxtn Rx = EM No = E CK+1) Cx+1k.

多红在年全. Qx 年加加至付在在全金(期初). exp.每时, m=1. 不吃后以年本五付1年任保金期望地值: axim) = a cm) ax - Bcm) = ax - m-1 Zeins (dcm)= Sm) am) = rd (m) Waelharse nEx = Axin = whols. Bcm) = Sin-1 : i-icm). S= nEx = only = Uti)h extra axin = an axin - Bun Axin (x)的意时母华 学位连续支付的终婚金. nlax = an niax - Bim) niax 松乳的 ax = S. ov + chade ax(m) = ax(m) - in axin = axin - in (1-nEx). 1= 8ax +Ax 1 = dcm) ax + Ax = im) ax + (1+ \frac{1(m)}{m}) . Ax 光着时每年的五付一年位的终单金,都是加强方成 ax = E UK px = tx = 1+ E 20k+1 km Px. 3 y y+1 = = 1 = Mx = EDu. の、 ダーを一岁がしまける. 1= d ax + Ax Nx = acm) Nx - Bcm) Dx 精新现值X: 最 Wy-Nz). ax: 1 = dax: 1 + Ax: 1. ≈ No - mid Do. (Ny - Nz(m)) Qxx = 人x SX:M = NEX AX:M = KON N-KEMTK Sx(m) = \frac{\infty}{\sigma} Ny(m) \ Ny(m) = Sy(m) - Sy+1 = X(m)Sx - B(m)Nx. 123. 第一年記1、第3年記2:……: - 1x · Sx) ax = ax -1 = \(\frac{1}{2} \bullet k Px \\ l = \frac{1}{2} \beta k Px \\ l = \frac{1}{2} \beta k + c | ti) Ax axin = axin - 1+nEx = = 10 KPx.

多争译数 3.4.6.

对以的一部经验身度 基本均衡年缴贷款作品, 晚村在在广华来,徐登人3拍为 L=vktl-B· aim.

新知: ELLI=0, => Ps= Ax ax

每小次分射:每次付 影响.

$$P_{3:\overline{M}}^{(m)} = \frac{A_{3:\overline{M}}}{\ddot{a}_{3:\overline{M}}^{(m)}}.$$

 $P_{3:\overline{M}}^{(m)} = \frac{A_{3:\overline{M}}}{\ddot{a}_{3:\overline{M}}^{(m)}}$ $if $\stackrel{\text{LP}_{3:\overline{M}}}{=} \frac{M_3 - M_{3+M} + D_{3+M}}{N_3 - N_{3+M}}$

$$hP_{x} = \frac{Nx}{Nx - Nx + h}$$

$$P_{\lambda:\overline{M}} = \frac{M_{\lambda} - M_{\lambda+M}}{N_{\lambda} - M_{\lambda+M}}$$

$$hP_{33\overline{m}} = \frac{M_X - M_{X+n} + D_{X+n}}{N_{X+n}^{(m)} - N_{X+n}^{(m)}}$$

4.5.7.8. 乡净保费贡化准备全

净贷益为B的1单位终乳寿, K年末的面化准备金:

kVn = Anth - Pr axth

h cm = Axtk: NK - h x: h Crx+k: h-K)

Ve=Alto-Päcto

N+XA X N - XA = M:XA 134 TEN - 44 - GE: 124

1 = 6 -94] w = 90 = 10 = 10

h Mad + k Vxin - (B-hPxin) · antk: 7-k1. DEFPT = ADIN: I) BET P+ P-A THING

61). K=0. 181.16 0.1 E=0

\$1.92= (-000]=[E:XV& FLAND, MICHAEL - REX VS / HJ-BIC= 42- Qx41:31 +0.06 G1 AX+1:27 - G1-14:27

12: HY A . 000/= [E:XVI] 0= [E:XVO

(+1)(+1)WC-11W-18WE DOOR) = (.0000 11 = IAA

10.0=1 .0261 al

work # -1 makted. 经各种1 cure o) 董喜 21/11 , 00001 #1/5] , 00001, # oc (nd , (12)

" A tr. + 120-0 + FireCA = FireC of

31341-1=N600-1=A DI(X125.0+ 40.0+A) 40.05 40.0>

द्वेश 强烈 像杯:10