第2周第一次作业: ~. P127 经13.2.6 设的人口的。27门、多:00分,力:00分的+0)其中的模块 不难舞出 E(3)= E(7)=0 P(3)=D(7)==== E137) = 1 = 1 = 2TT COSX COS 17+07 dx = 2 cosa 預有: 41) a=0 Af y=1, ItAf y= c050=3 12) ロ= TH H r=-1, 此時カーの510+T)=-059=-多 13) a=-聖母 r=0. 比母 多= cos 9 , 7= sin 9 , 从初多与了不相关 位357不然差 (取B、=B2=W=z). P(B,3=P(Bz3=方.P(B,Bz3=の) P133 7 E(x)=n E(3,) $E(q^2) = E((\sum_{i=1}^{n} 3_i)^2) = E(\sum_{i=1}^{n} 3_i^2) + E(\sum_{i \leq i \leq n} 3_i 3_i^2) = nE(3_i^2) + (n^2 - n)E^2(3_i)$ => D(d) = E(d2) - [E(d)]2 = n[E(37) - E2(3,)] = nD(3,) 同項 D(B)= nD(多) $E(\alpha \beta) = E(\sum_{j=1}^{n} \frac{1}{j+m+1} \frac{1}{3}j) = E(\sum_{j=1}^{n} \frac{1}{3}j - \sum_{j=1}^{n} \frac{1}{3}j) + E(\sum_{j=1}^{n} \frac{1}{3}j - \sum_{j=1}^{n} \frac{1}{3}j)$ + E (2 3 · 2 3) = mn E(3,32)+(n-m)m E(3,32)+[(n-m)2-(n-m)]E(3,32)

3, ~ U 6,1), 3 K+1 ~ U (3K, 7K+1)

=> E(3K+1) = E[E13k)+ 1/K+1] = E(3k)+2

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