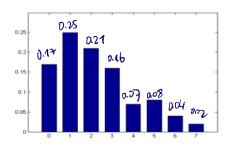
2. 一幅8灰度级图像具有如下所示的直方图,求直方图均衡后的灰度级和对应概率,并画出均衡后直方图的示意图。(图中的8个不同灰度级对应的归一化直方图为[0.17 0.25 0.21 0.16 0.07 0.08 0.04 0.02])



直方图均野化

由圏形 Pr(0) = 0.17
$$t_{k=0}$$

Pr(1) = 0.25 $t_{k=1}$
Pr(2) = 0.21 $t_{k=2}$
Pr(3) = 0.16 $t_{k=3}$
Pr(4) = 0.07 $t_{k=4}$
Pr(5) = 0.08 $t_{k=5}$
Pr(6) = 0.04 $t_{k=6}$
Pr(7) = 0.02 $t_{k=7}$

$$S_0 = T(\Gamma_0) = P_r(\Gamma_0) = 0.17$$

 $S_1 = T(\Gamma_1) = \frac{1}{Z_0} P_r(\Gamma_1) = 0.17 + 0.25 = 0.42$
 $S_2 = 0.65$ $S_5 = 0.94$
 $S_5 = 0.79$ $S_6 = 0.99$
 $S_4 = 0.86$ $S_7 = 1$

3. 肉了累积分和主数是不减的阶梯主数、映射后的图像形成加到所有恢复级