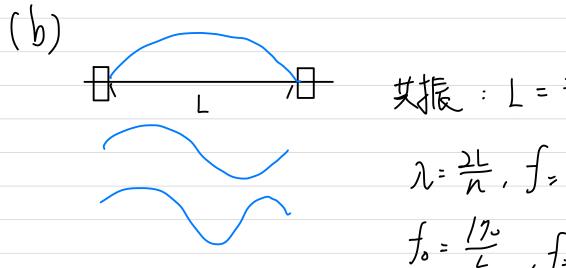
do frej: 可描定 do AT frequency

duration: beat - 节位所证明 (Second)

amplitude:每個sin/cus的振幅,控制机

2

(a) 若某字只有母音, 會和前一個字的母音相接, 母音的能量皆較大, 敬無法用振幅分開



浓连34~%為例

共振: $L = \frac{1}{2}n$ $\lambda = \frac{1}{2}, \int_{-\infty}^{\infty} \frac{17}{2}n, n \in \mathbb{N}$ $\int_{0}^{\infty} \frac{17}{2}n, \int_{-\infty}^{\infty} n \int_{0}^{\infty} \frac{17}{2}n \int_{0}^{\infty} n \int_{0}^{\infty} \frac{17}{2}n \int_{0}^{\infty} n \int_{0}^{\infty} \frac{17}{2}n \int_{0}^{\infty} \frac{17}{2}n$

只要能满足之的整数倍, 即鲁崖生糕, 故鲁在后, 北、北。 盖生和弦 3.

(a)

1. energy in the f-axis is concentrated at for ,2for, 3 for 2. frequency is fixed in a note

3. beat inferral fixed

(b)

1. the color is uniform within a region (*.gif)

2. edges can be represented by lines, arcs, curves

4

(a)在RGB中,三個channe/重要性較難區分, 不易做壓縮,YCoCr中,Y重要度大於Co,Cr, 故可括去一些Co,Cr資料来imply 4:2:2和4:7:00壓缩

(b) 锅厂保留全部, C, C, 的 row及 column都 农牛, 来做壓縮

原固(M,N)

M/2 C_b

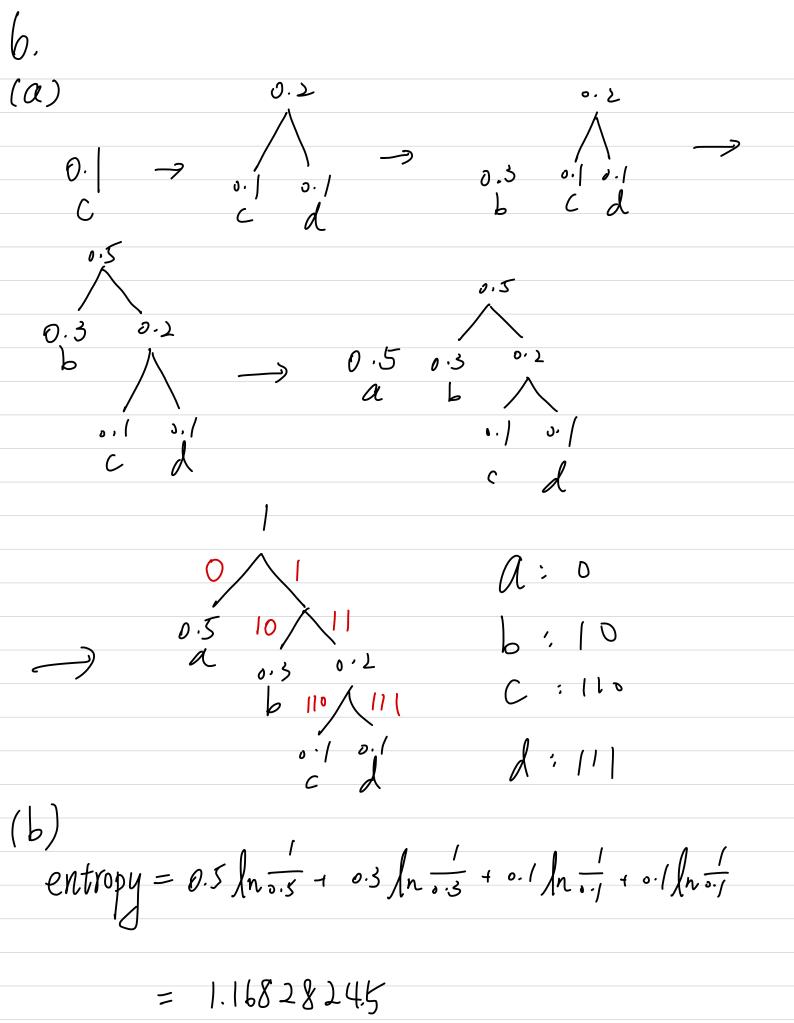
M/2 C_r

Compression ratio = $\frac{3 \cdot MN}{MN + \frac{1}{4}MN + \frac{1}{4}MN} = 2$

5.

DCT和DFT相比是實數運算 DCT和KLT相比,DCT和input不相關

(b) (77) (777) (V)



Jower = 0.25
$$0.5 = 4$$

$$0.5 = 0.4$$

$$0.55 = 0.35$$

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$$0.25 = 0.35$$

$$\frac{(d)}{(ei)(N \cdot \frac{entropy}{l_{gk}})} = b \leq f/o r \left(N \cdot \frac{entropy}{l_{gk}} + l_{gk} + l_{gk} + l_{gk}}{l_{gk}} + l_{gk} + l_{gk}$$

7.

若雨聲音訊號,

1. 些許 Frequency 差異

2. phase 7 Fo

3. 出現時間不同(有delay)

人耳聽起來袋手相同,但NRMSE很大,

不能很好反映两相似聲音訊號