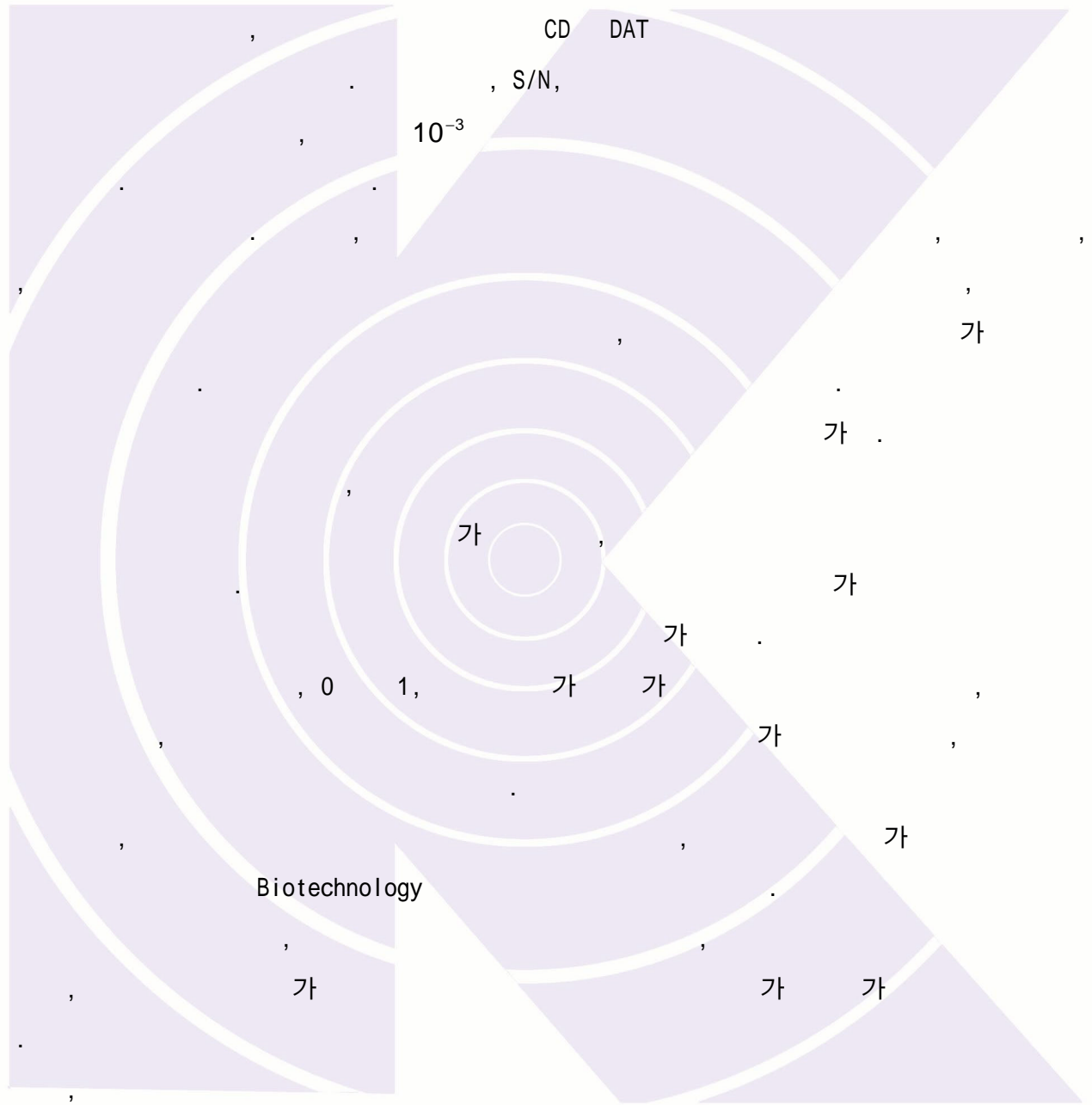


/

1.



[1~5].

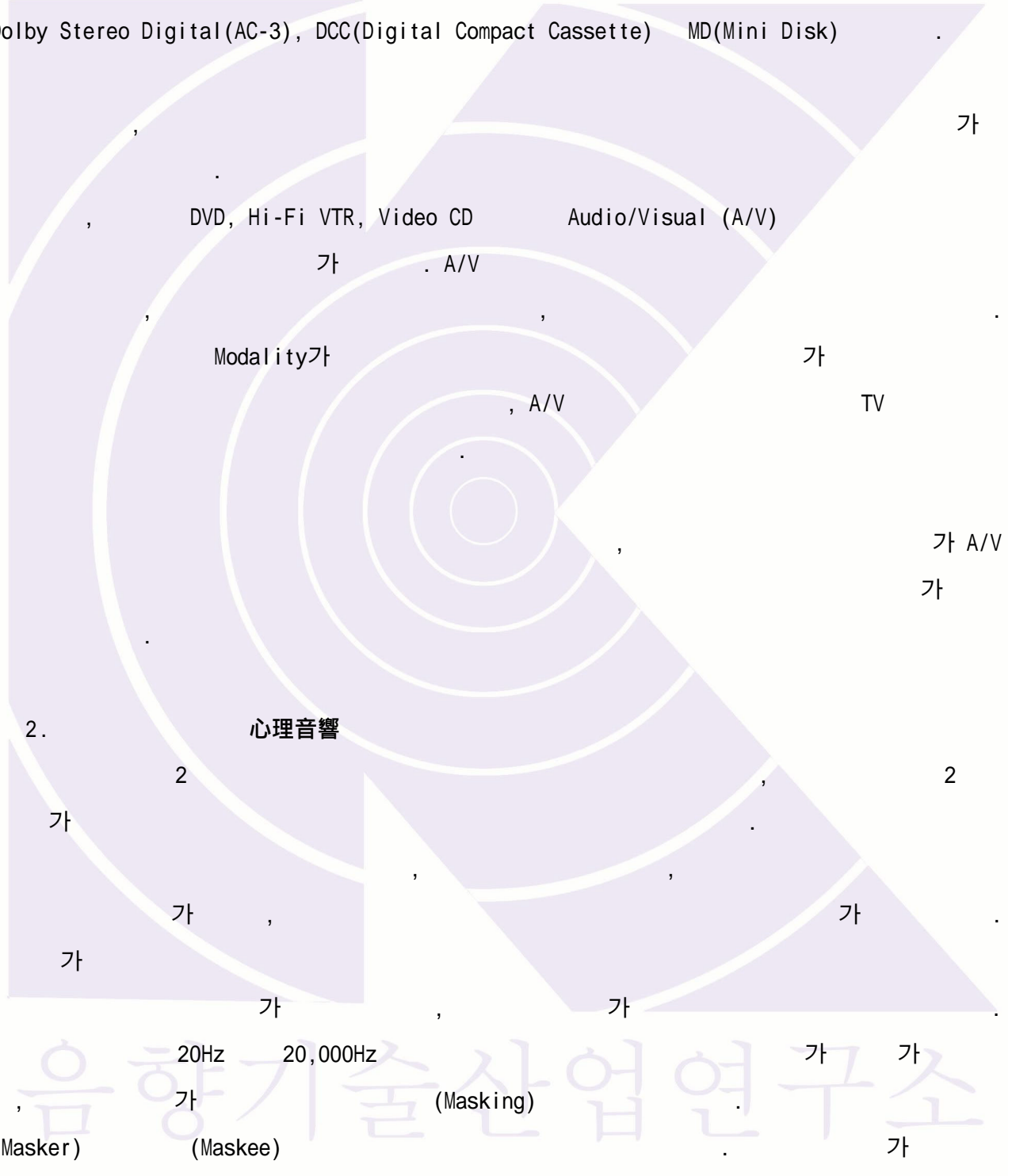
음향기술산업연구소

가

CD DAT

CD

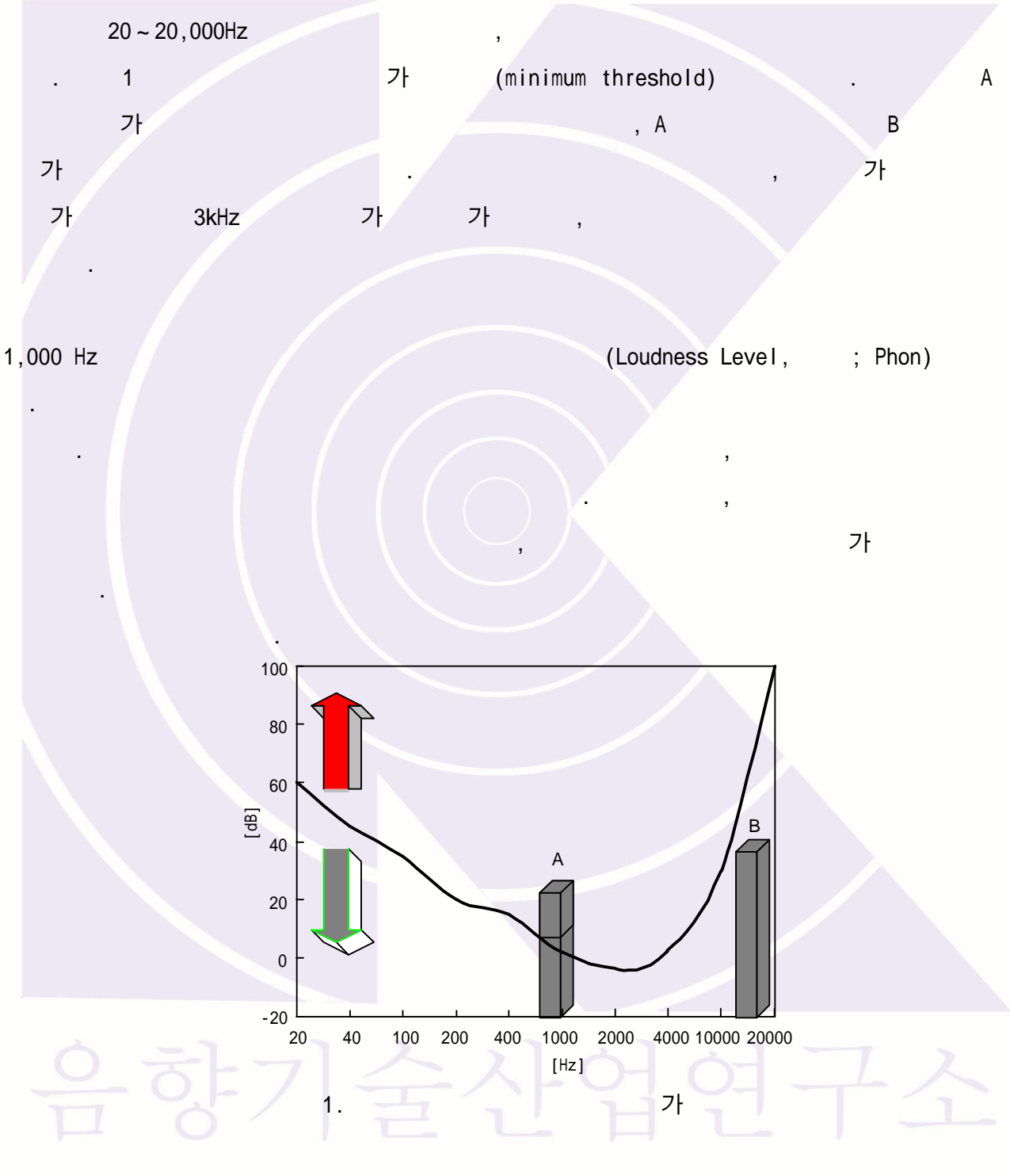
MPEG(Moving Picture Experts Group), SB-ADPCM(Sub-band Adaptive Difference PCM),
Dolby Stereo Digital(AC-3), DCC(Digital Compact Cassette) MD(Mini Disk)



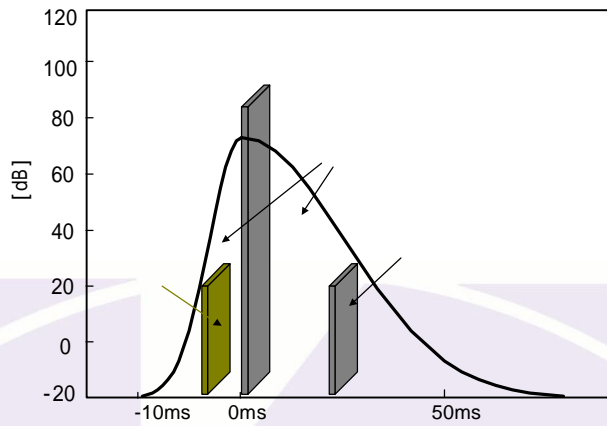
(Binaural Effect)

[1-4].

2.1 가



2.2 (Masking Effect)



3.

(3)

2

(Ipsilateral Masking)

50dB

骨傳導 (Bone Conduction)

2.3

1

90dB

20Hz ~ 20,000Hz

가

1

1.4Mbit

64mm MD

10

1/5 ~ 1/10

DCC

, CD

72

1/4

bit

, bit

가

$$L_{qn} = L_{sm} - 20 \log 2^n$$

L_{qn} :

L_{sm} :

n : bit 數

음향기술산업연구소

16bit

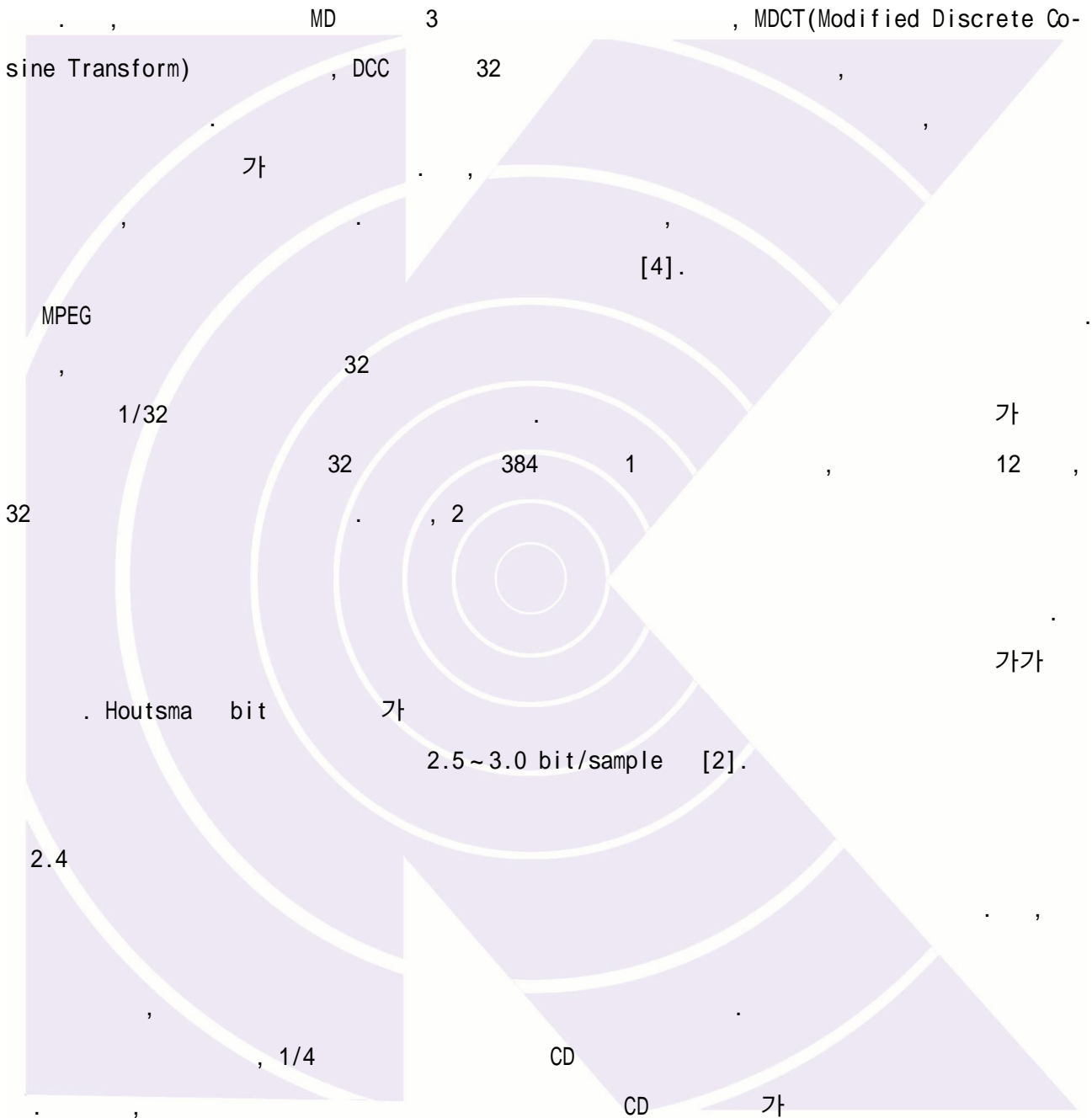
96dB

, 12bit

-72dB, 8bit

-48dB가 , , 가

MD bit



음향기술산업연구소

CD

22kHz

가?

CD

1/4 ~ 1/5

가가

가

가

[5].

[6].

3.

1930

Blumlein

Snow

1950

TV

가

(Stereophonic imaging)

(Auditory impression)가

[6].

(Sound source)

(Sound image)

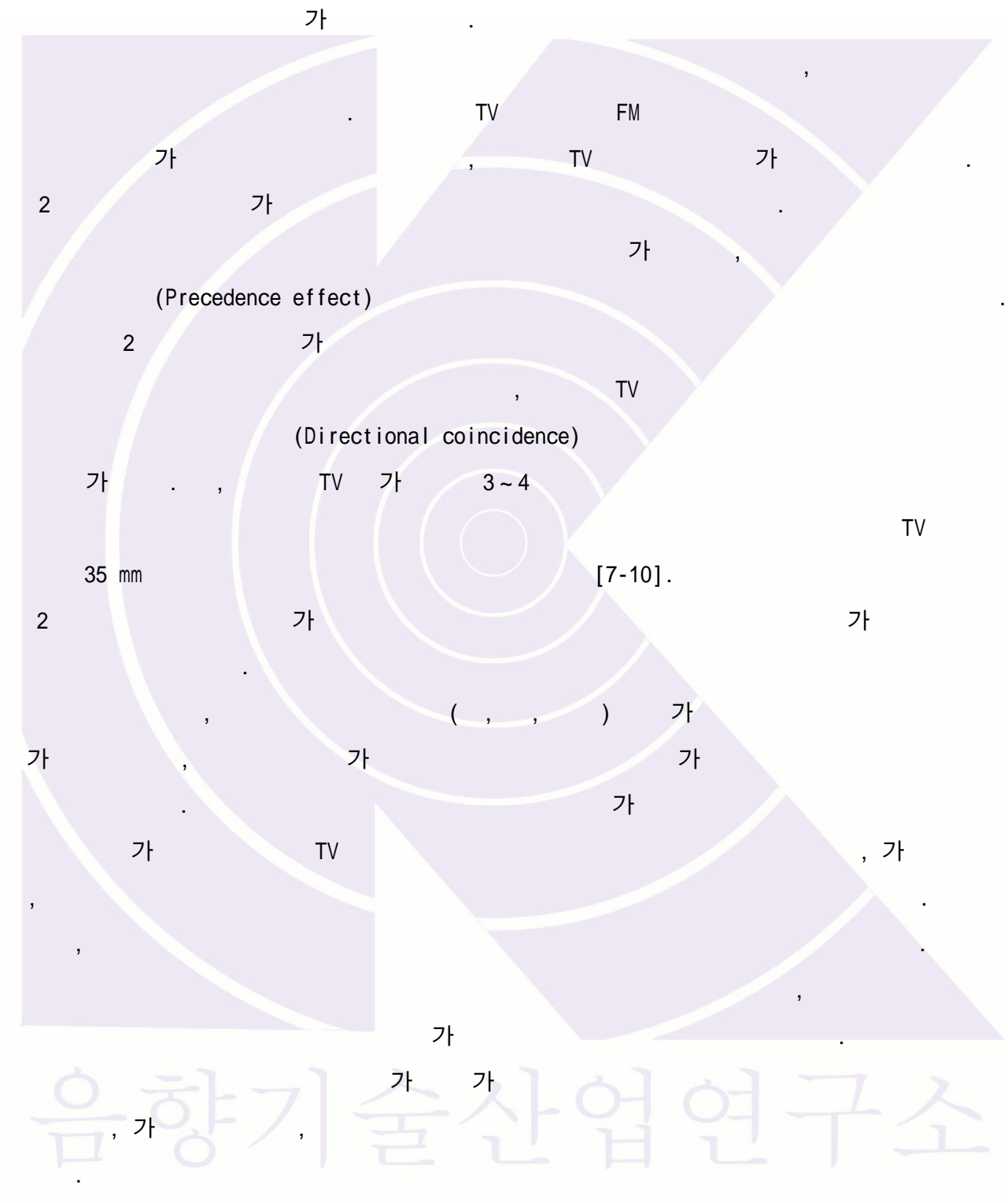
(Spatial impression)

(Effect sound)

음향기술산업연구소

(Early Reflections) ,
(Reverberation)

(Sound Field)



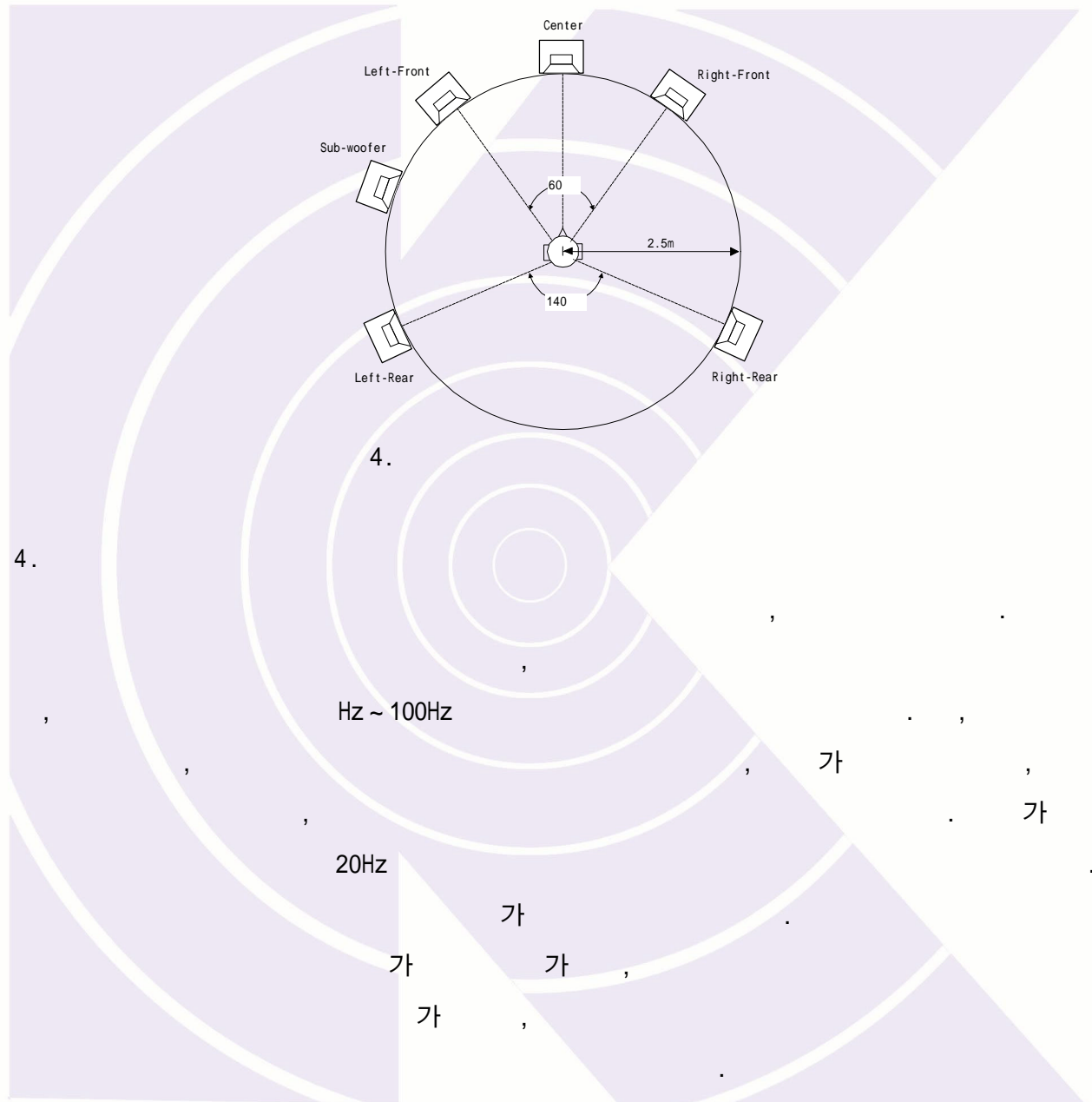
2

(200 Hz)

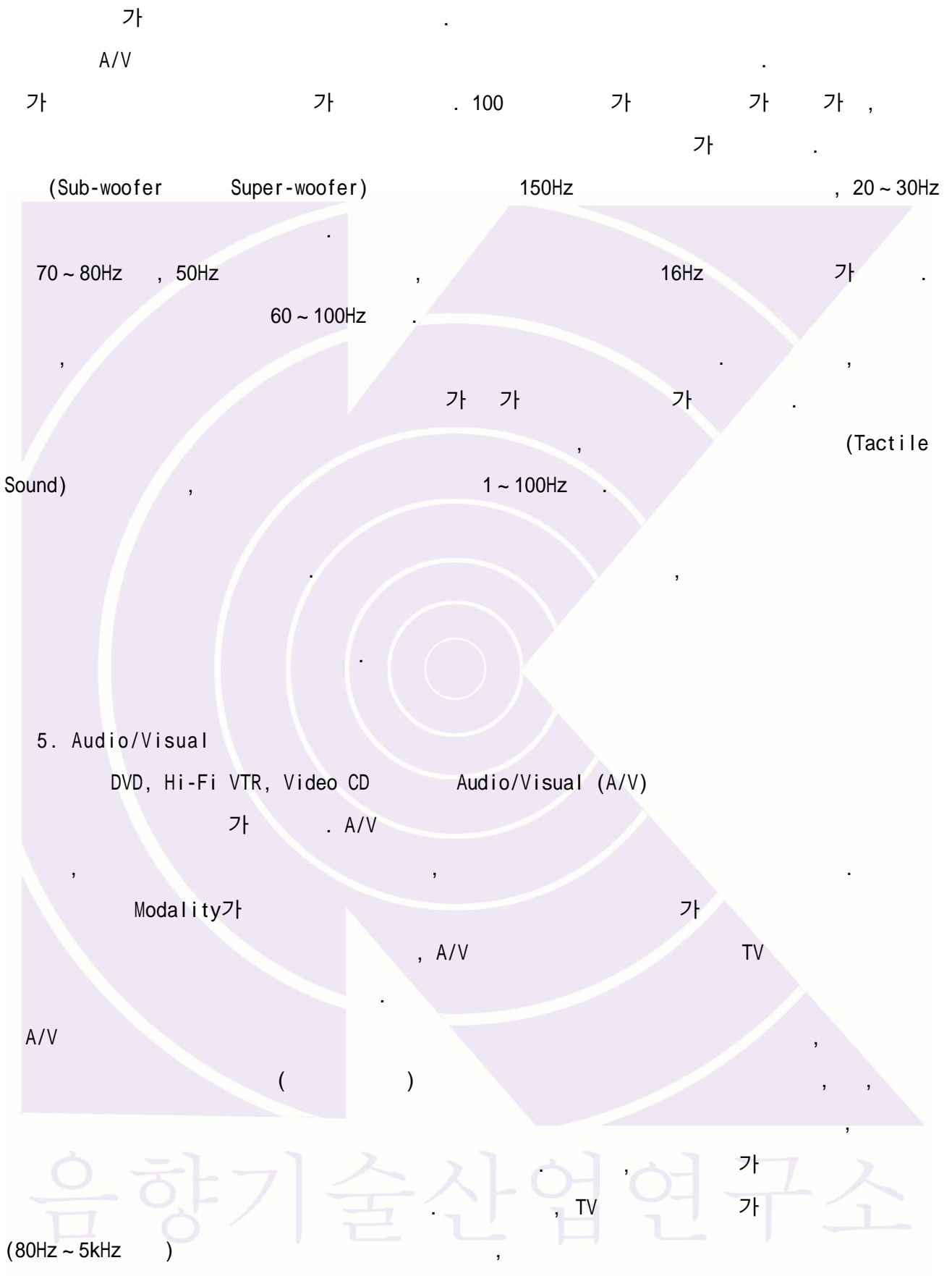
(Sub-woofer)

TV

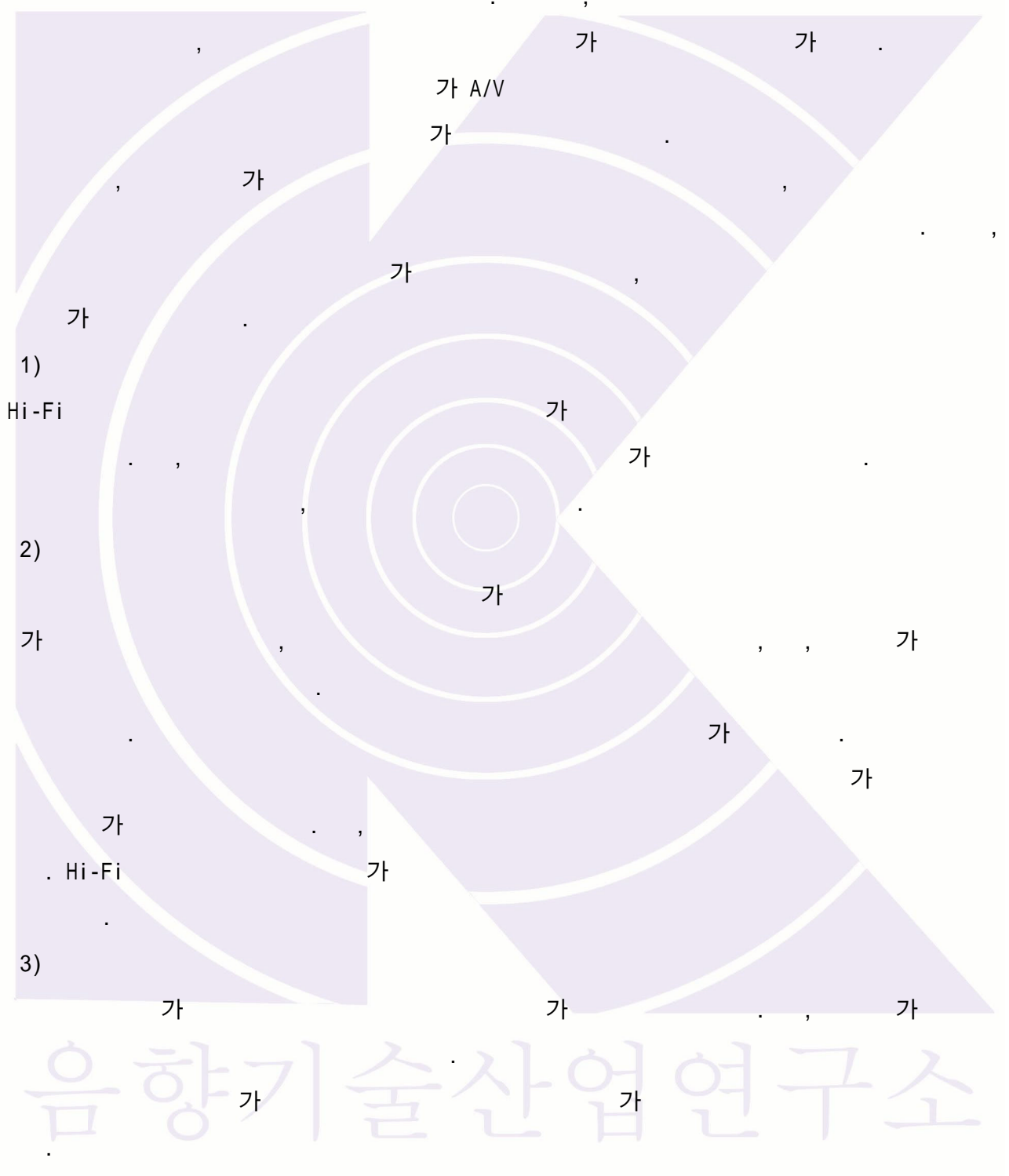
4



음향기술산업연구소



가() . A/V

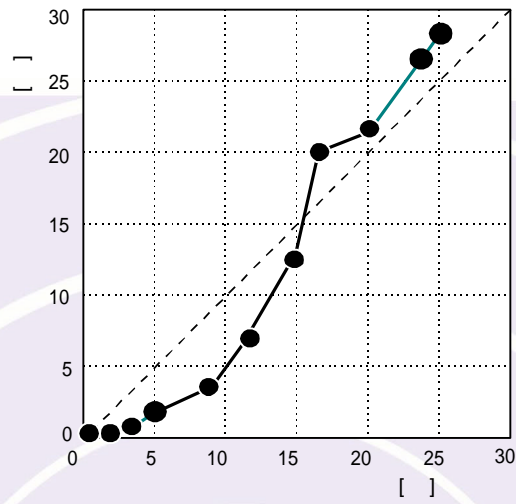


가 10

가 20

(5). 가 10 20

가 , ,



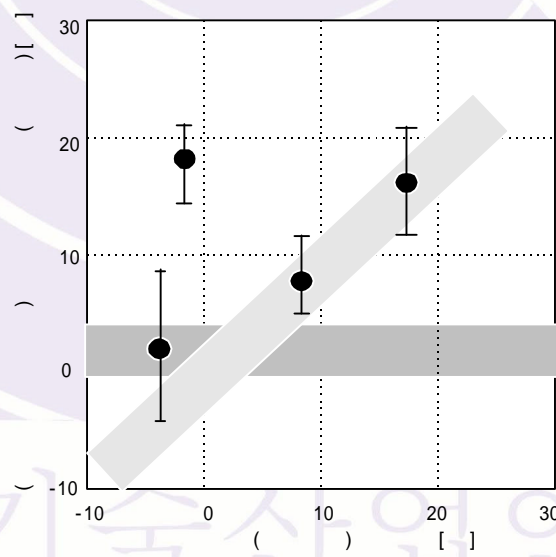
5.

6

가

가

6



6.

‘ BA ’

, ‘ GA ’

, ‘ DA ’

가

6.

, TV

가

가

가

가

(

)

D/A

가

Human Electronics

가

가

가

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