

1931

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가

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(Shirley

Institute)가

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(adjustment)

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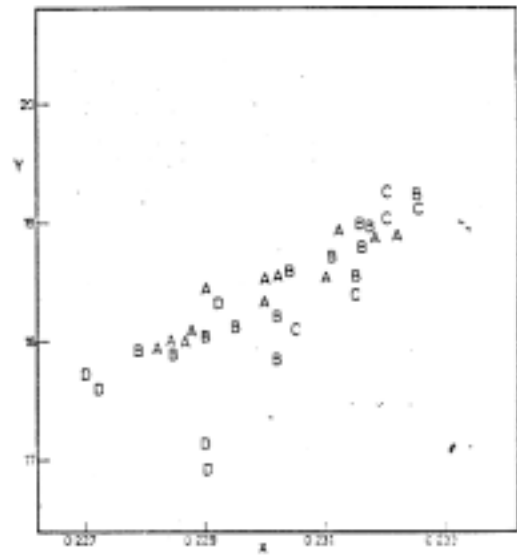
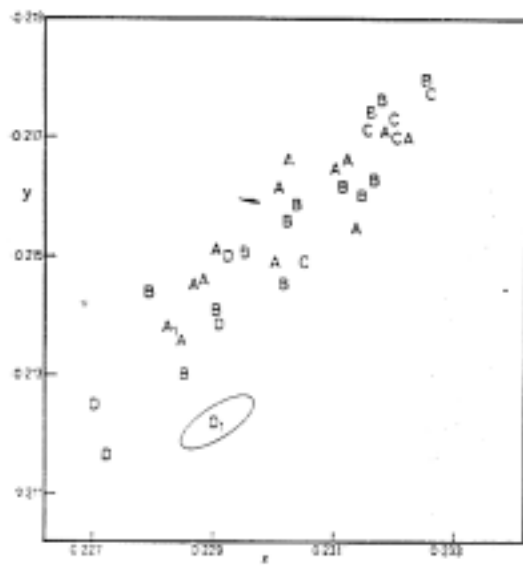
가

(spectrophotometer)

가

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< 1 > 60 T/C (batch)

CIE

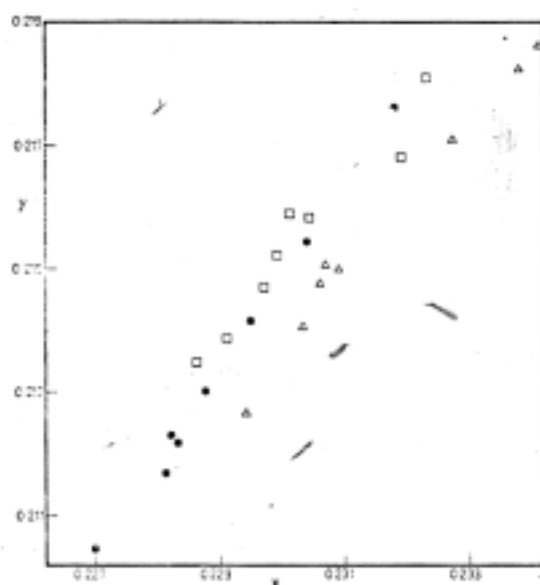
(A, B, C, D .)

1a, 1b

60 (batch)

2 가

1a 2 가
 3 가 가
 2, 3
 가

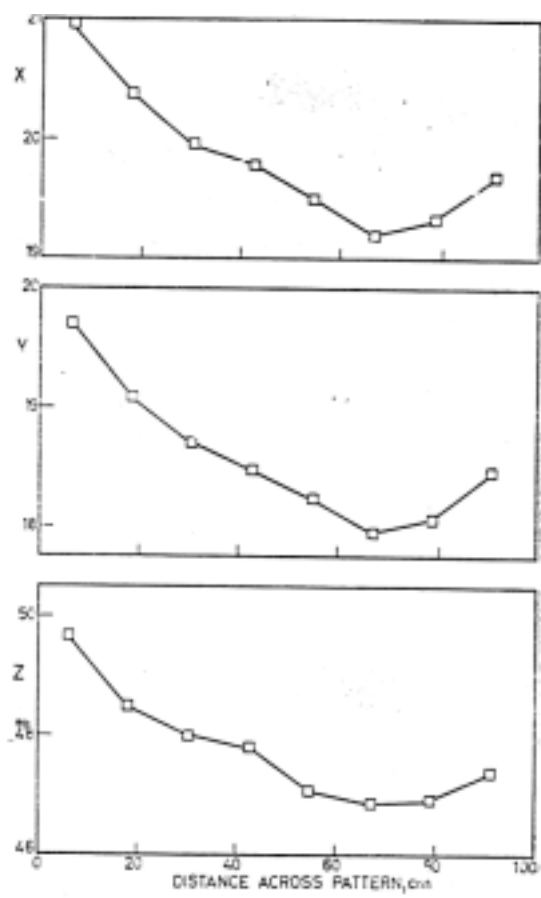


< 2> 8

가 가 1 A, B, C

가 1a D₁ 1
 95%

가



< 3> 2 □

X, Y, Z

가 . 가
가 . 가
가 . 가

가 . ,
73 49 가 .

가 .
(C.H.Bennett) (M.H.Roberts)
가 (Harrison) 가
.

가
.
가

가 가
.
(colour monitor)
가 가
.

(Shirley Color Monitor)

(integrating sphere)

spinning devices

가 가

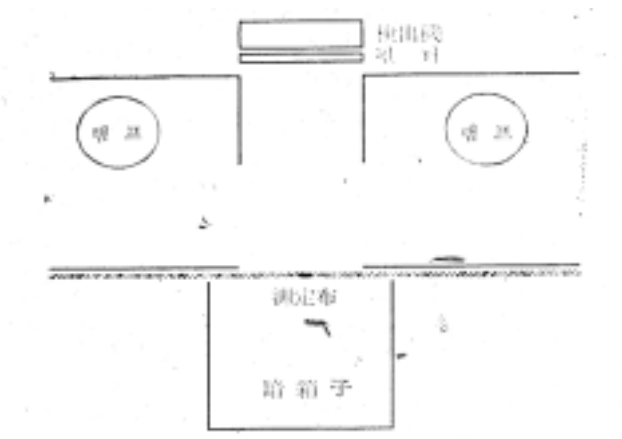
180 °

5cm

가 45 ° 6W

(4).

(sensing head)



(Harrison)

X, Y, Z

가

(light sensor)

가

(Megatron)

(pot)

(selenium)

가

,

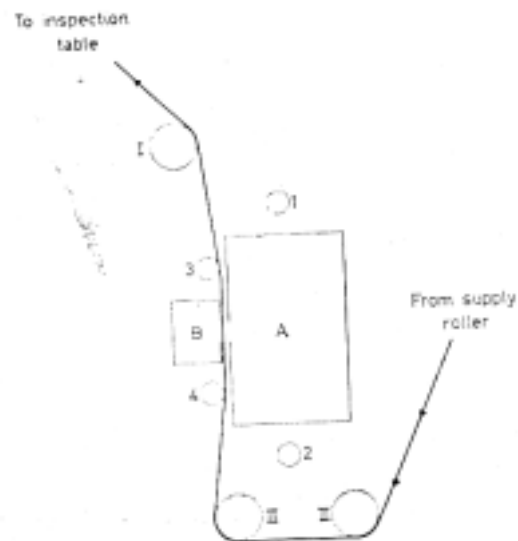
100%

10, 5, 2 1%

(%) 1%

0.5%

가



5
A 5cm (bar) (pulley)
B

B
A 3~4mm

, ,
A B (fender)

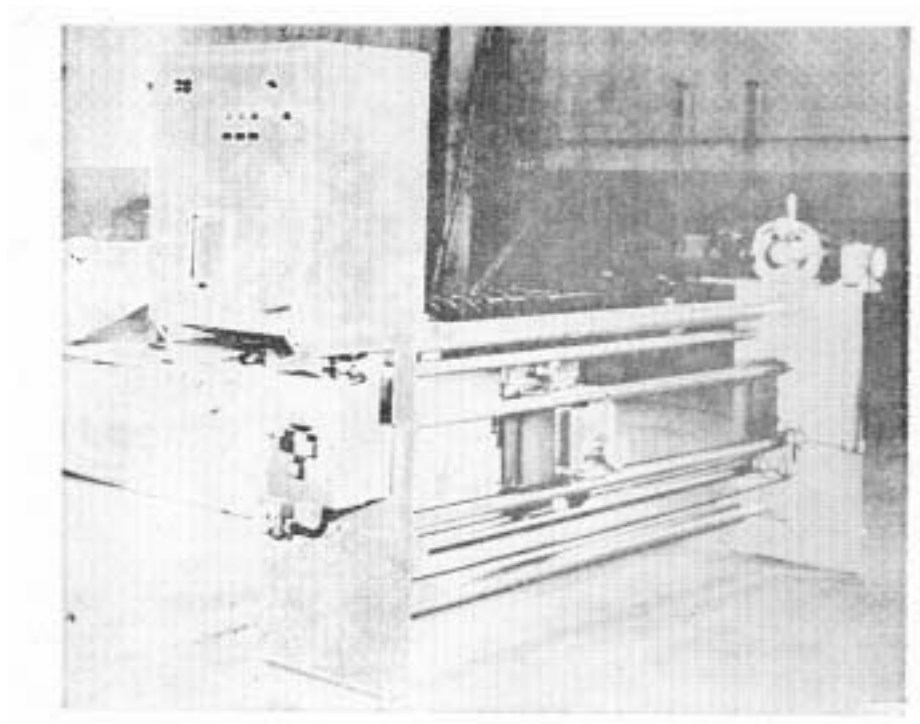
140cm 가
가

15~90
40m/min

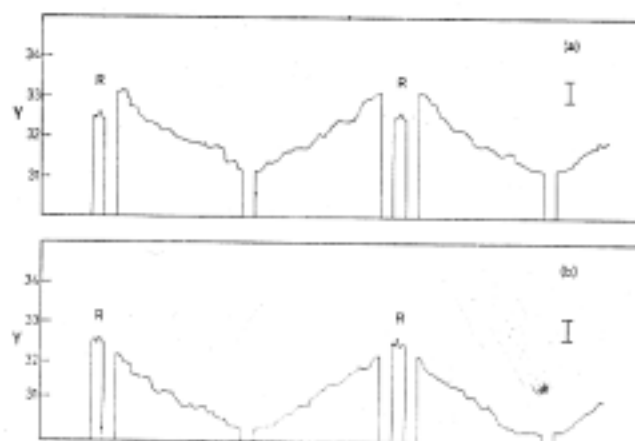
0.2mm 가

(6)

X, Y, Z 가



< 6> (Shirley Colour Monitor)



< 7> T/C Y

7 . R

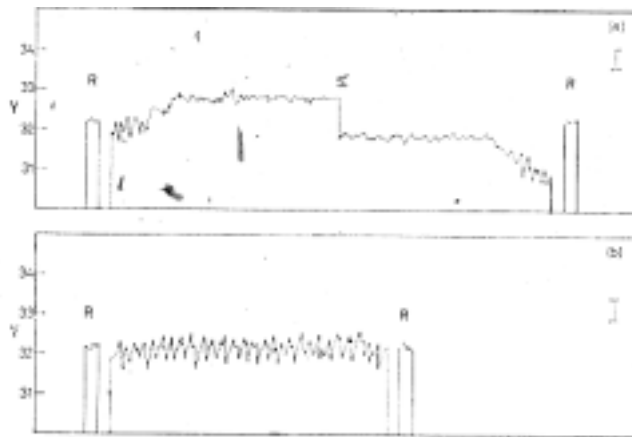
40% 10%
 , 15~40% 5% , 8~15%
 2% , 2%

7(a)

(batch)

7(b)

7(a)



< 8>

T/C

Y

8(a)

R

S

가 .

8(b) 15cm

8(a) 가 .

(bowl)

8(b)

(3) X, Y, Z

. Y

가 가

Y

Z

. Z

가 7, 8

JSDC(Journal of the Society of Dyers & Colourist)

(matching group) 가

가 .

3~4 .

3~4 .

가 X, Y, Z

(digital) .

가 .

Adams Nickerson ANLAB(40)

X, Y, Z

Y X/Y Z/Y . Z/Y X/Y

(plot)

Y X 가 .

X/Y 가

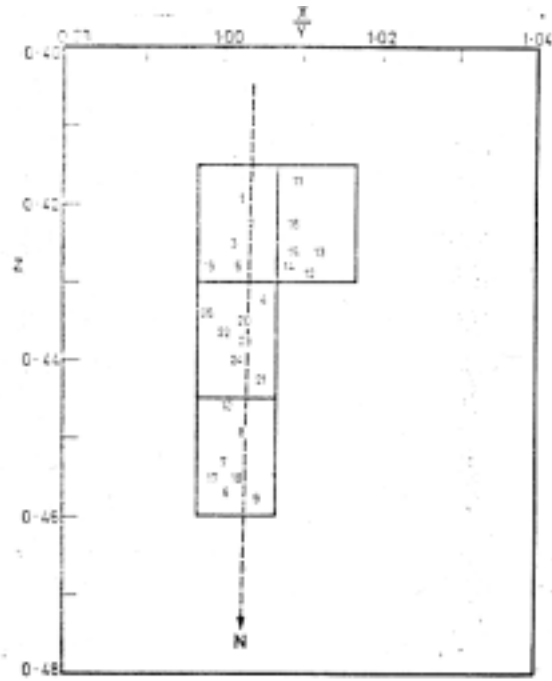
Z/Y 가 가 . MacAdam Z/Y X/Y

Y X 가

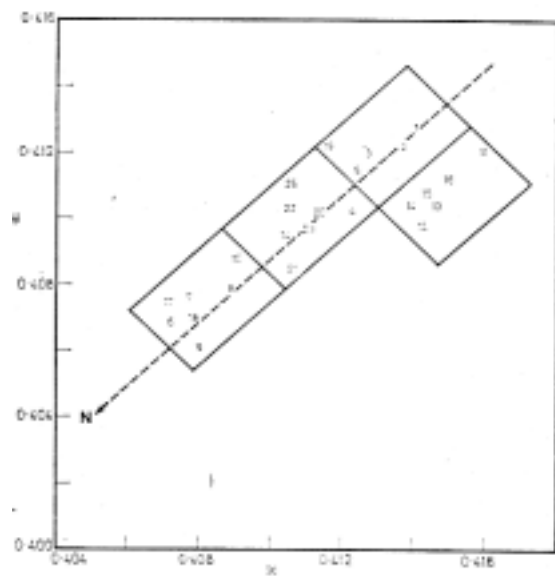
9 Y X

10

Z/Y X/Y Y X



< 9> Z/Y X/Y



< 10> 9

X/Y Z/Y Y .
 $X/Y, Z/Y$. Y X
 Z/Y X/Y .
(neutral point) 9
(complementary colour) .
 X/Y 0.7~2 가 Z/Y 0.3~5
. (Z/Y)
. (X/Y) 0.002~0.030 (Z/Y)
0.005~0.060 . (X/Y), (Z/Y) Y
. (Nomogram) X, Y, Z
(X/Y), (Z/Y) Y Mr. K. Westerman
. ANLAB(40)
(X/Y), (Z/Y) Y .
15% 가 .
(X/Y), (Z/Y), Y 1.5, 2 3
. 가
ANLAB 3
. 52 T/C
가 . $X=42.04, Y=47.59,$
 $Z=43.94$ ($X/Y=0.01, Z/Y=0.02,$
 $Y=1.5$. Y 3
.

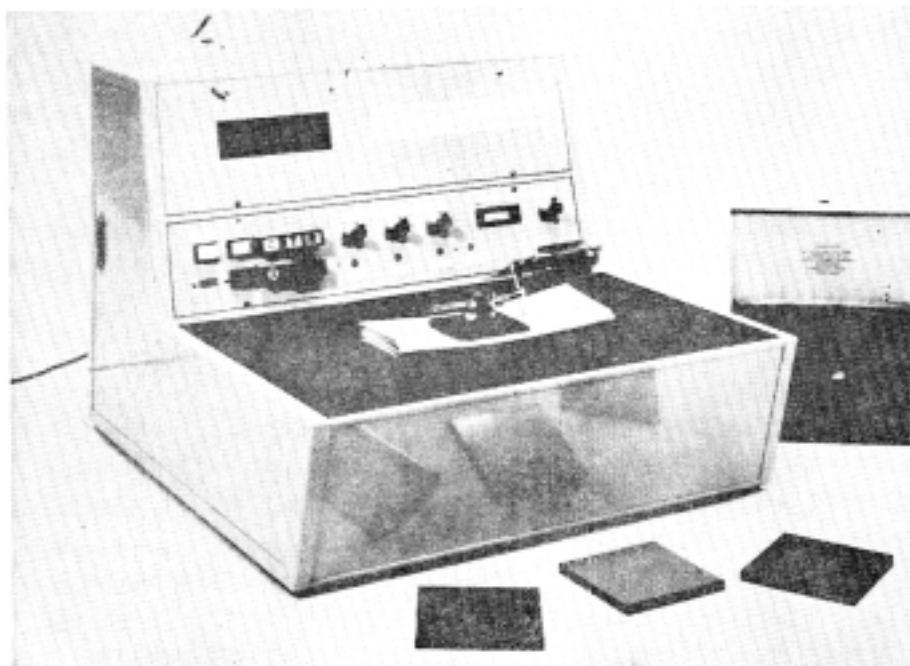
: Y = 49.0~50.5

X/Y=0.88~0.89	X/Y=0.89~0.90
Z/Y=0.91~0.93	Z/Y=0.91~0.93
X/Y=-0.88~0.89	X/Y=0.89~0.90
Z/Y=0.93~0.95	Z/Y=0.93~0.95

6 3

$$\cdot \quad X/Y \quad Z/Y$$

가



< 11>

(Harrison-Shirley Digital Colourimeter)

가

가

가

가

X, Y, Z

가

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