

(6)

6.4

6.4.1

(1)

QT RT 1 .

$$S = \frac{R \times D \times 3.14}{100 \times \cos \theta} \times (\text{m/min})$$
, S : (m/min)

R : rpm

D : (cm)

θ :

(2)

1 .

$$W = \frac{S \times 60 \times H \times N \times E}{M \times 1000} \times (\text{kg})$$
, W : 1 (kg)

H : 1

N :

M : (Nm)

E : 가 (%)

6.4.2

(1)

$$L = \frac{B \times J \times C \times 10 \times W \times 10 \times l}{1000 \times 1000} \left(1 + \frac{e}{100}\right) (\text{km})$$

, L : (m)

B : (km)

J : (m)

C : 10 cm

W : 10cm

1 : 1 (mm)

e : (%)

(2)

$$LW = \frac{B \times J \times C \times 10 \times W \times 10 \times l \times g}{1000 \times 1000} \left(1 + \frac{e}{100}\right) (\text{kg})$$

, LW : (kg)

g : (g/m)

C : 10 cm

(3)

,

.

$$FW = \frac{B \times J \times C \times 10 \times W \times 10 \times l \times g}{1000 \times 1000} (\text{kg})$$

(4)

1 ,

.

$$FL = \frac{R \times 60 \times H \times F \times E}{f \times C \times 100} (\text{m})$$

, FL :

R : rpm

H : 1

C : 1 cm (CPC)

f : 1

E : 가

F :

(5)

1

, ,

, .

$$WG = \frac{N \times R \times F \times 60 \times H \times l \times g \times E}{f \times 1000 \times 1000} \text{ (kg)}$$

,

$$WG = \frac{R \times F \times 60 \times H \times G \times E}{f \times C \times 100 \times 1000} \text{ (kg)}$$

, WG : (kg)

N :

C : 1 cm (CPC)

G : 1m (g)

(6)

.

$$T = \frac{f \times C \times 100 \times FL}{R \times 60 \times F \times E} \text{ ()}$$

, T :

FL : (m)

C : 1 cm (CPC)

6.4.3

(1)

, % . L

(

), L' L , S (%) .

$$S = \frac{L' - L}{L} \times 100(\%)$$

(2)

$$= \frac{\text{가}}{\text{가} + K + \text{가}} \times 100(\%)$$

(3) 가

$$\text{가} (\text{가}) = \frac{\text{가}}{\text{가} + K + \text{가}} \times 100(\%)$$

, k , 가 가
. 1 , K 1 , 1 0.25 가 .

7.

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, , , , , ,
,
, , , , , , 가
, , 가 .

. , ,
, 가 .
, .

7.1

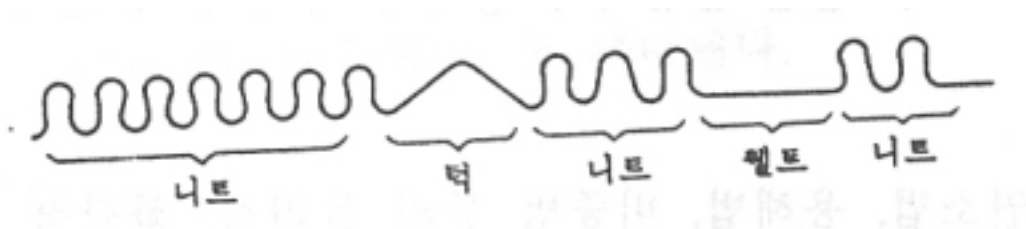
7.1.1

, 1 , 가 가 ,
가 가 ,
. , 가 가

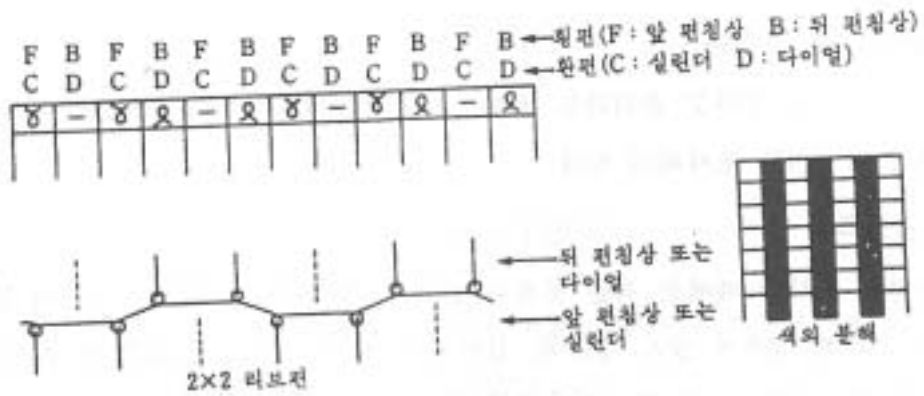
53>



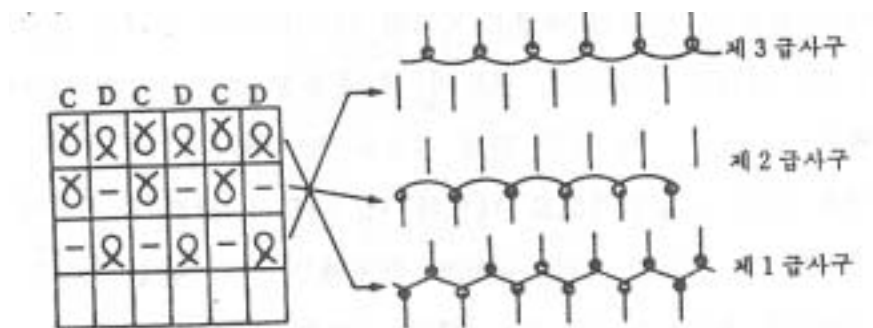
< 51>



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< 53>



7.1.5

(2.5cm, 5cm, 1)

, 40 /5cm, 30 /5cm

7.1.6

7.1.7

가

L ,
 L' , S
 , % .
 $S=\frac{L'-L}{L'}$, $L'=\frac{L}{1-S}$

,
 ,
 가 .

7.2

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 , ,
 .