

(STARFISH)

- (The Reference State) -

1. (introduction)

(knitted fabric) (dimension) (performance)
(knitting variables ; , ,) 가 (, , 가) .

(knitter), 가
(finisher) “ (customer)”

. “ (customer)”

(organization) .

(store group), (garment maker), 가 (converter)

(vertical company) 가 .

. (specification)

? .

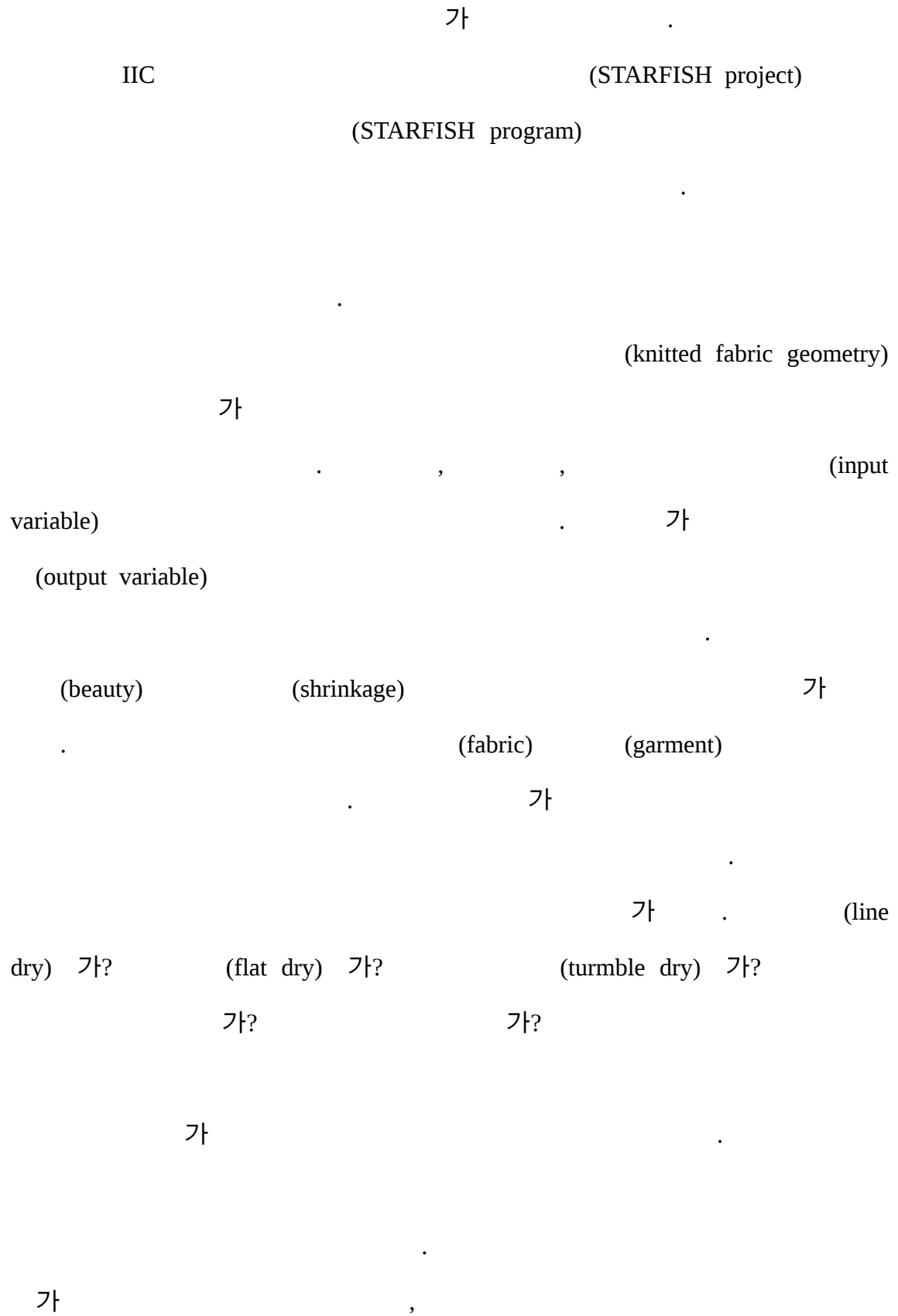
가 (combination)

.

가

.

.



(stable state)

.

(Reference Relaxation Procedure)

. (concept)

(STARFISH)

.

2. (Reference Relaxation Procedure)

가

. (STARFISH)

(wash cycle) (rinse)

.

.

< 1>

20

가

.

가

60 가 (household detergent)

(wash) , (rinse), (spin) (tumble dryer)

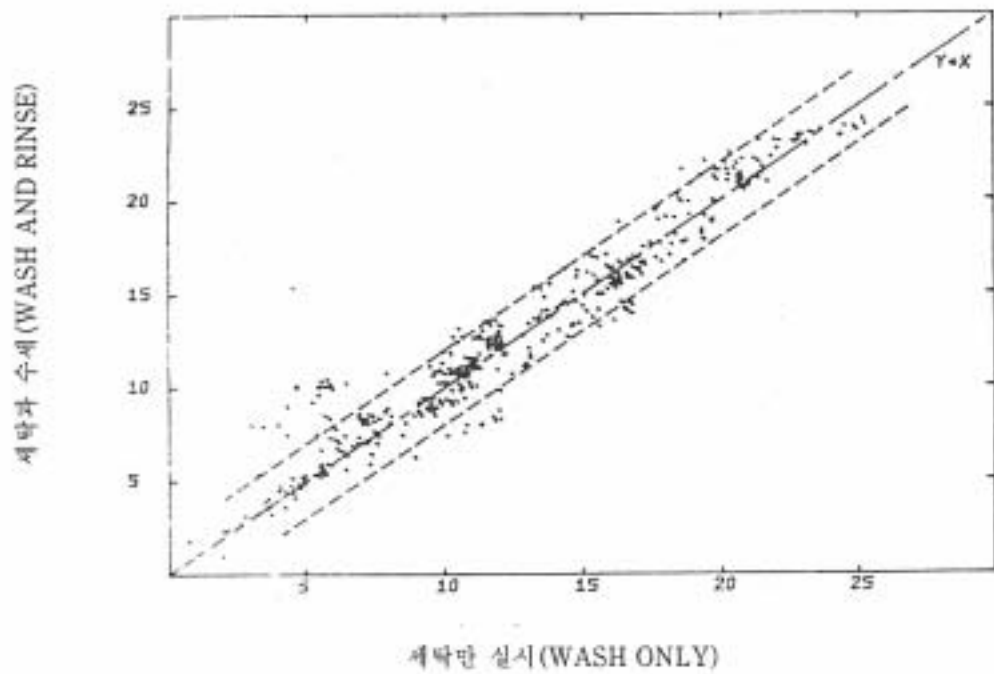
. 10

5

. 가

60

(rinse) .



/ / / ()

, 20 1 10

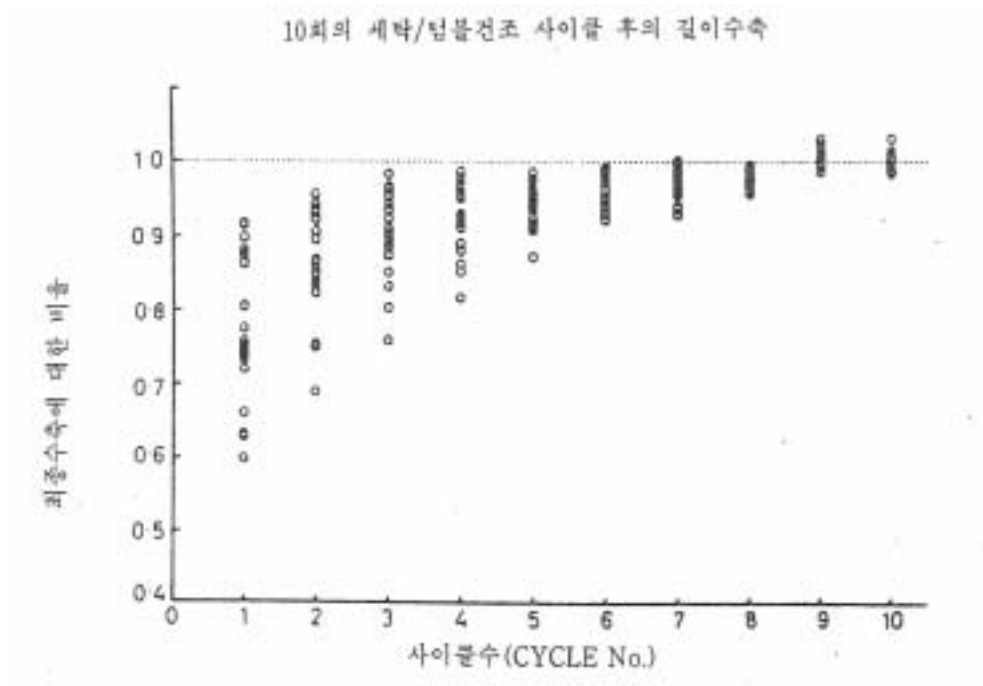
< 1>

< 2> 20 /

가 . 5

가 5

가



20 가 10 /

< 2>

(reproduction) 가 . [, , , (agitation)] . 가 가 (constant weight) 10 (tumbling) . 가 .

(Reference Relaxation Procedure

1. 가 60 (wash) .

2. 가 .

3. . (: rinse cycle).

4. .

5.3 4 3 .

6. (normal regain) .

(Reference State)

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가?

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< 3> 가 (stable state)

가 가 .

.

0(zero)

가 , (/cm, /cm, /cm²,)

. , (target value)가

가

(Reference State)

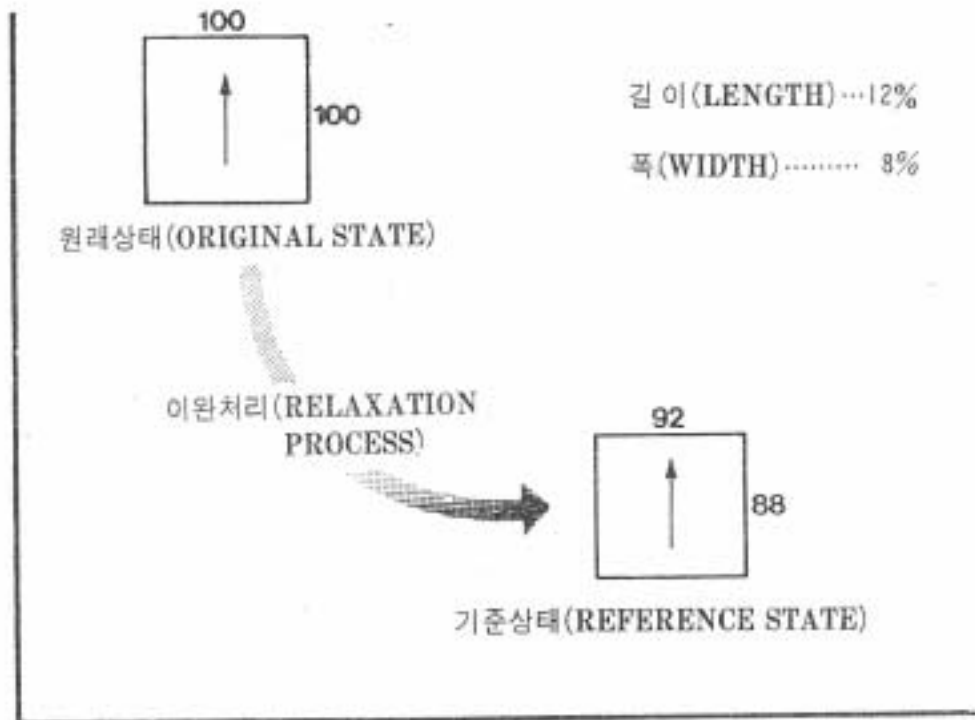
.

60cm

9%(5 /

) 66cm 引渡 .

수축을 측정(MEASUREMENT OF SHRINKAGE)



< 3 >

$$\text{引渡幅 (Delivered width)} = \frac{(\text{Reference width})}{100 - (\text{shrinkage})} \times 100$$

3. (Measurement of Shrinkage)

.
 (accuracy) (time),
 (labour) (material) . 5 가
 . 95%
 (confidence limit) $\pm 1\%$ $\pm 2\%$
 .
 (industrial testing) ,
 .
 가
 .
 IIC 1 5 (tumble drying)
 (line drying)가
 . 가 < 4>
 (Reference Relaxation Procedure)
 . (actual value)
 (tightness) (line dry test)
 가 (guide) .
 가 가
 . 1
 가 .
 .

< 4>

(SHRINKAGE)

5 () = 10%

		(Tumble Dry)		(Line Dry)	
		1	5	1	5
(Single Jersey)	L	9%	10%	5%	6%
	W	10%	10%	7%	6%
	L	8%	10%	6%	7%
	W	10%	10%	4%	2%
	L	6%	10%	4%	5%
	W	10%	10%	5%	4%
L = (Length)				W = (Width)	

(tumble dryer)가 가

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(a)

(line) (flat dry)

(reproducibility) .

(b)

가

.

(c) (calculator)

IIC 가

5

(STARFISH) 가

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