

6

6.1

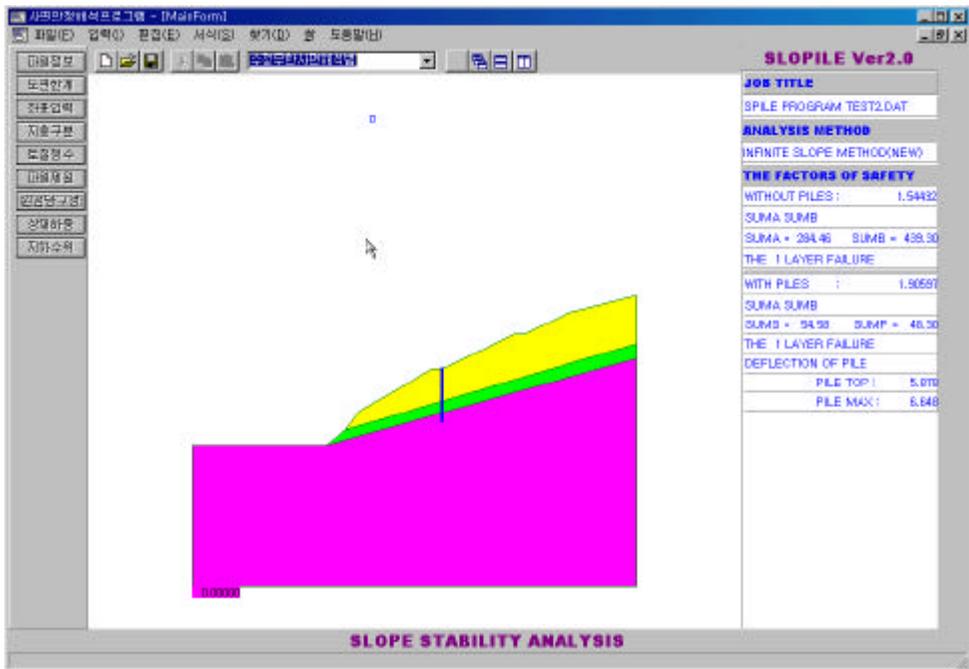
6.1

가

6.1

2m

가



6.1

25 °,

1.8 t/m³ 1.9 t/m³

가 7.0 t/m²

1.8 t/m³ 1.85 t/m³,

45 °

$2.0 \text{ t/m}^3, 2.1 \text{ t/m}^3$

1

20m 1

H - Pile (H - 300X300X 10X 15) 420mm

2.0m

1.25m D_2/D_1 0.65

1) H - Pile $2.1 \times 10^6 \text{ kg/cm}^2$

2) H - Pile 1400 kg/cm^2 800 kg/cm^2

3)

4) E_s E_{s1} 91

t/m^2

$105 \text{ t/m}^2 (= 15 c_u)$ 280 t/m^2

(= $40 c_u$) 700 t/m^2

6.2

6.2.1

E_{s1}

E_{s1}

E_{s1}

E_{s2}

가

가

(Fellenius , Bishop)

6.2

6.3

1.64

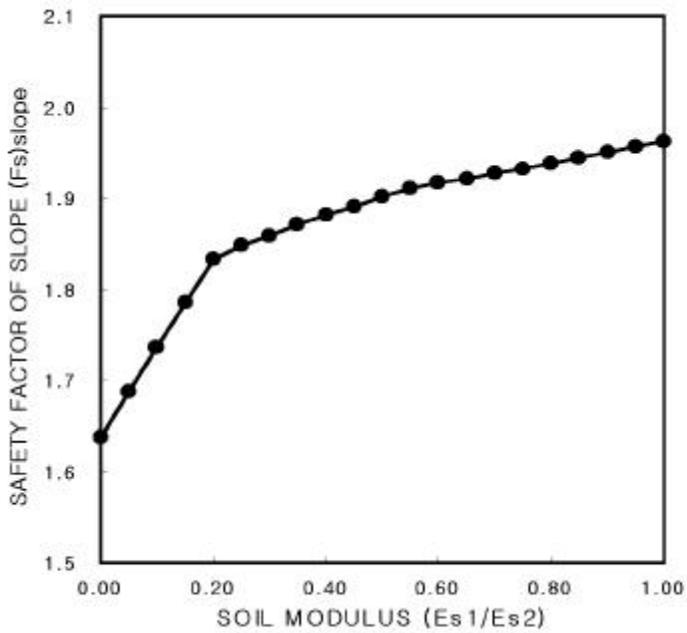
1.54

가

E_{s1}

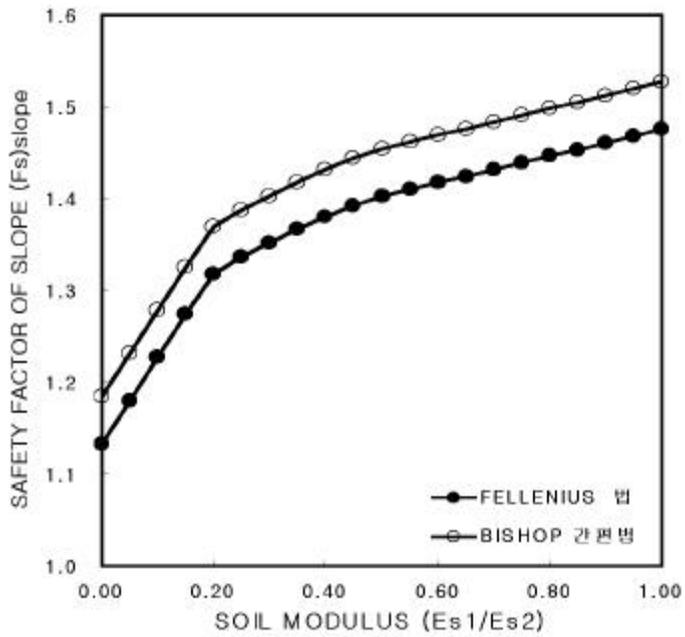
가

가



6.2

()



6.3 ()

March & Lacroix Poulos

6.2.2

$$(D_2/D_1)$$

0.1

0.99

0.1

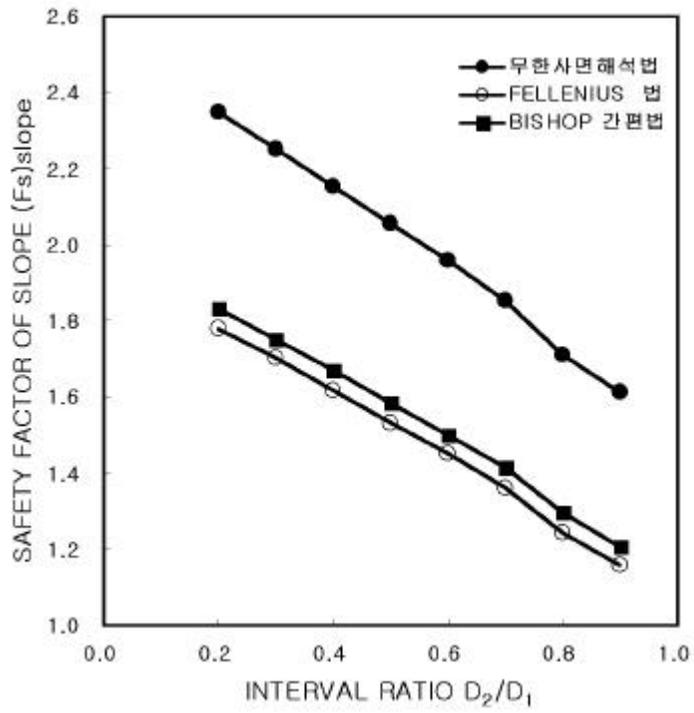
가

6.4

가

가

가



6.4

6.2.3

6.5

6.1

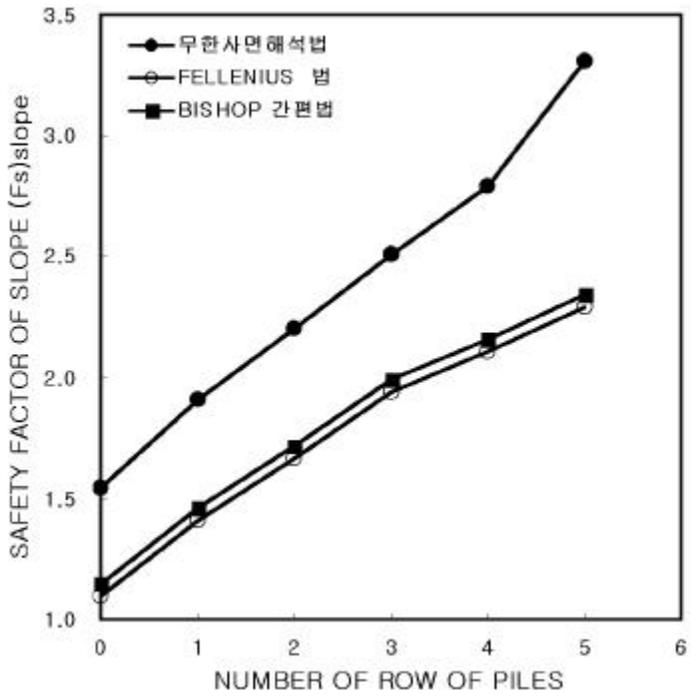
5

가

가

2

1.3



6.5

6.2.4

6 9
가 가

가 가
6.1

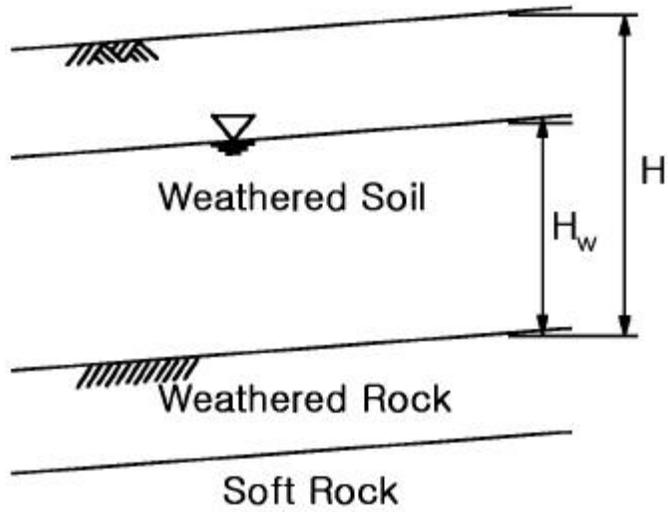
가
가

6.6

6.6 H

H_w

가 H_w/H 1
 가 0 .



6.6 (H_w/H)

H_w/H 가 0 1.54,
 Fellenius 1.10, Bishop 1.15

가 H_w/H 가 1
 , Fellenius , Bishop

0.73, 0.55, 0.48

1.10

H_w/H 가 0.7

H_w/H 가 0.4

Fellenius Bishop
 H_w/H 가 0.6 Bishop Fellenius

가

Bishop

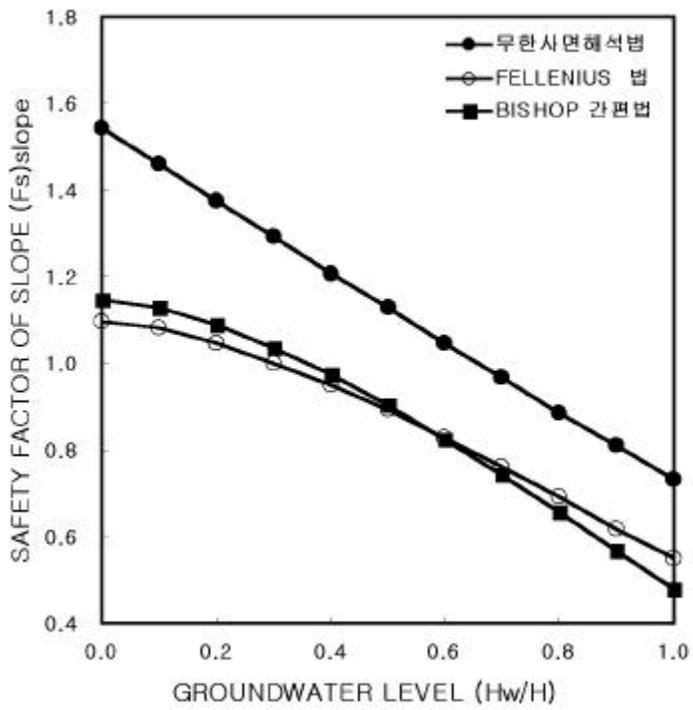
Fellenius

Numerical Problem

Fellenius

Bishop

Fellenius



6.7

가

가

6.2.5

가

가

가

6.8

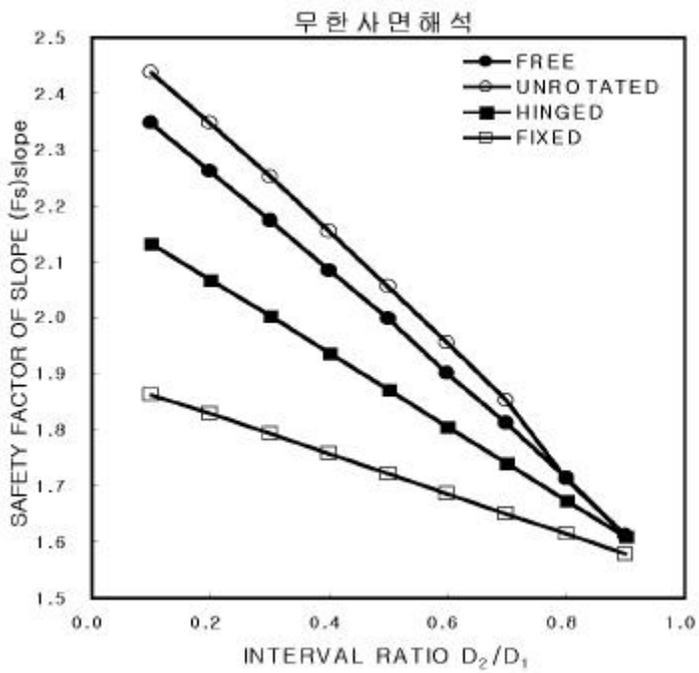
6.10

가

가

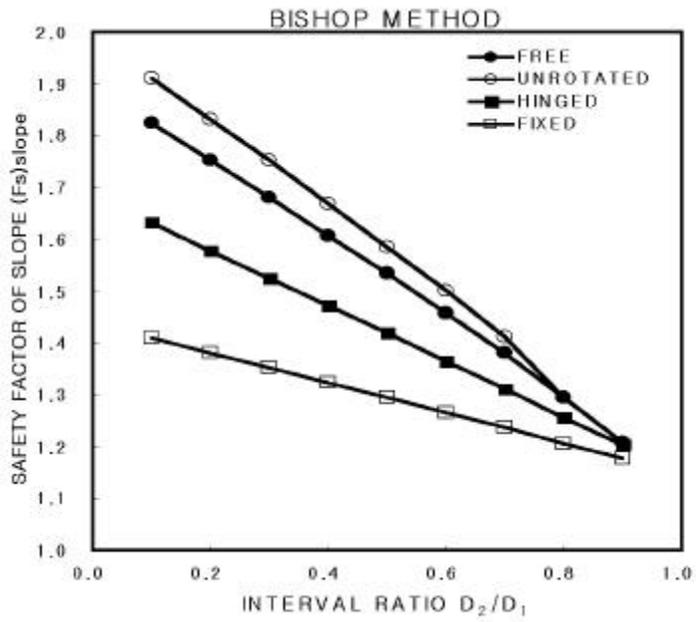
가

가



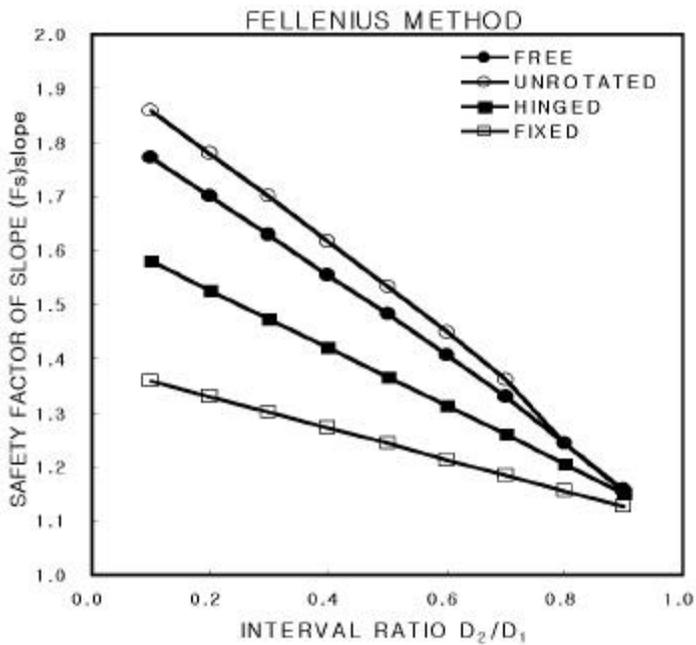
6.8

()



6.9

(BISHOP METHOD)



6.10

(FELLENIOUS METHOD)

6.3

6.3.1

6.11

가

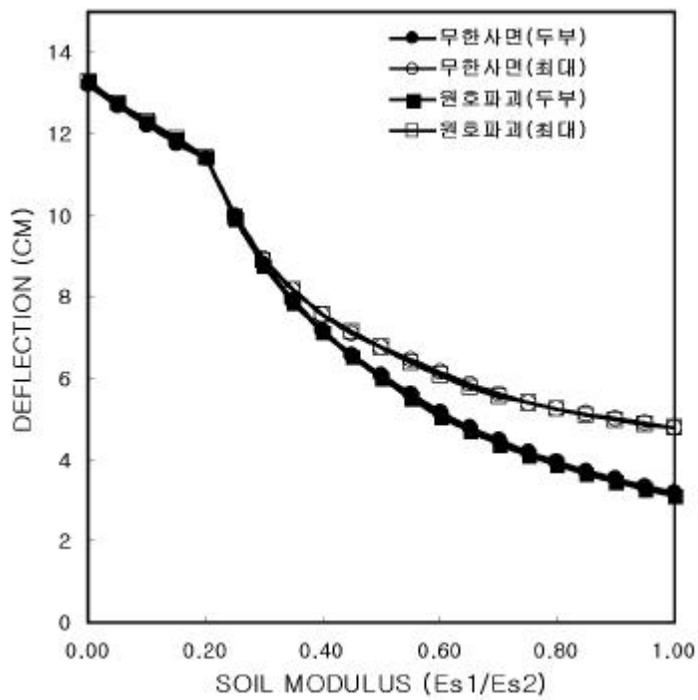
0.2

가

가

가

0.6



6.11

6.12

E_{s1} 0, 91, 175

가

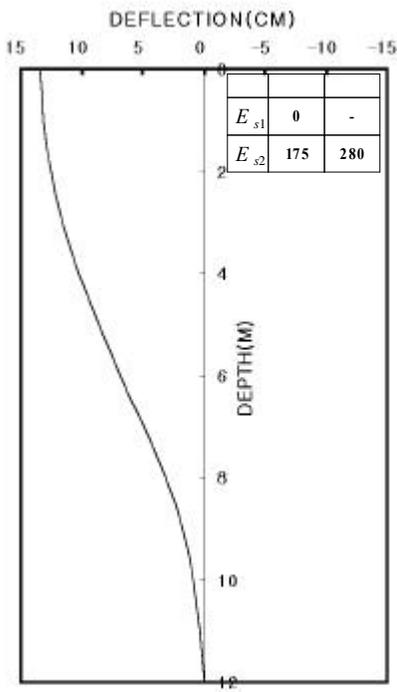
가 0/175
)) 13.315 (13.2)cm

(()
 가 91/175

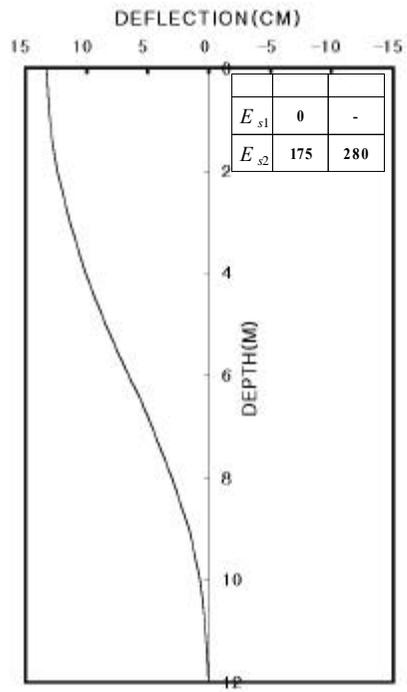
5m 6.602(6.648)cm

가 175/1759

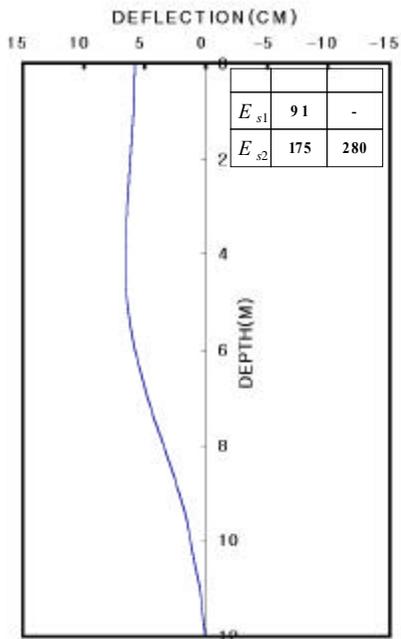
5m 4.774(4.786)cm



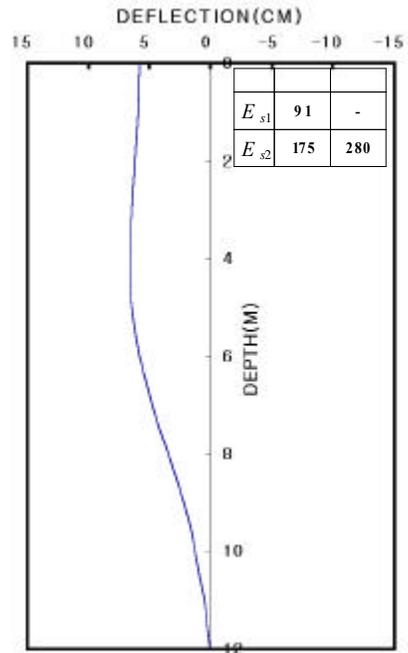
(a)



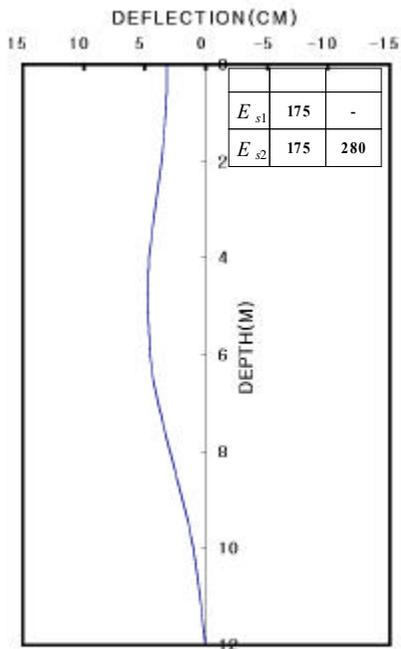
(b)



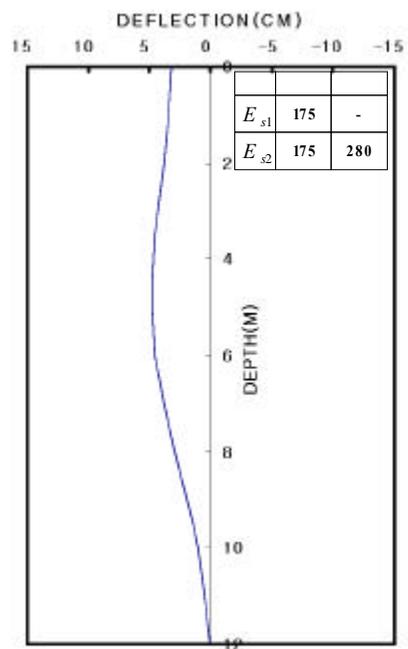
(a)



(b)



(a)



(b)

6.12

6.3.2

6.13

가

4가

가

6.1

6.1

(cm)	0	5.878	0	0	0	3.86	0	0
(cm)	4	6.648	5	4.198	4	5.957	6	1.912
(t · m)	5	17.78	5	17.78	5	17.78	0	17.78
(t/m ²)	12	8.354	12	5.771	12	7.596	0	7.836

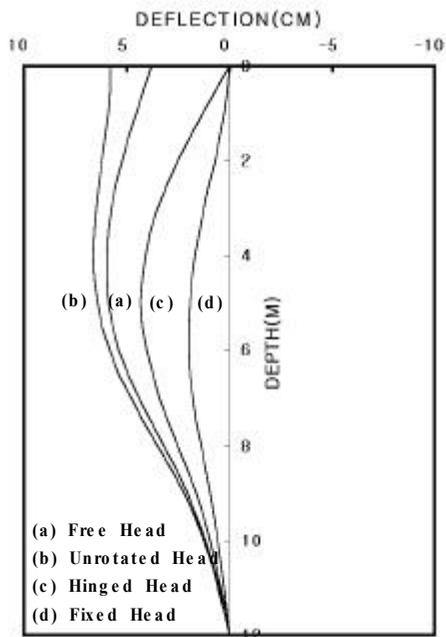
6.13(c)

가

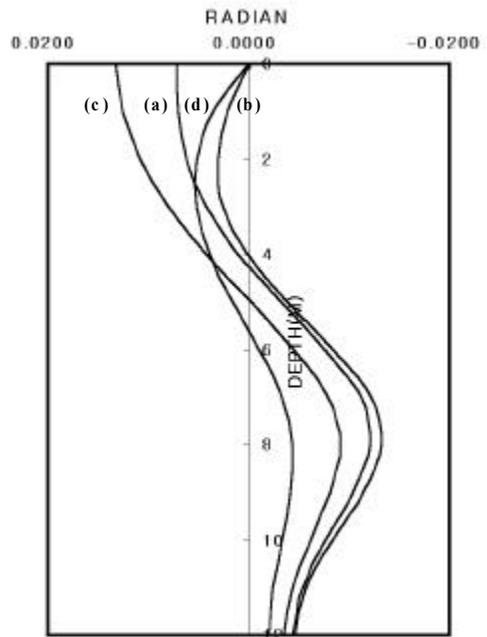
5m

6.13(d)

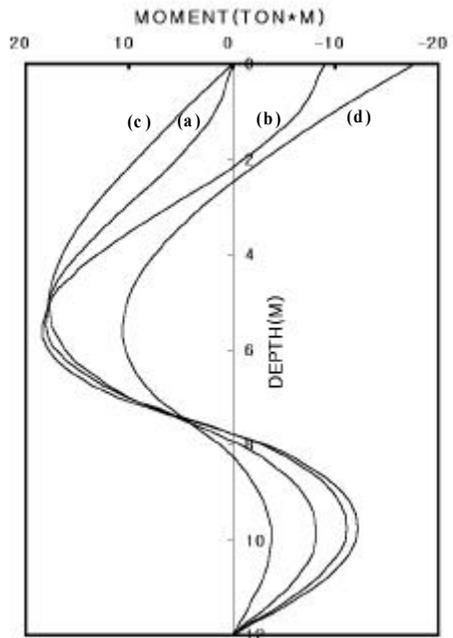
12m



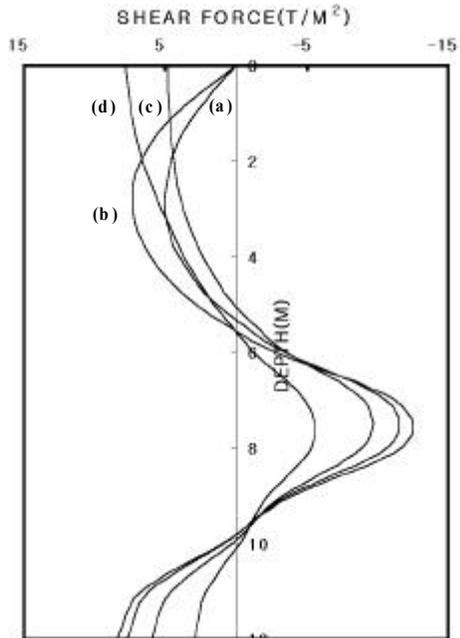
(a)



(b)



(c)



(d)

6.13

6.4

가

Tie rod, Anchor

가

Feed

Back

6.5

가

가

가 가

가

$D_2/D_1,$