

원정교(대구) 초음파탐사 1

탐사위치	S1 캔틸레버		
No.	1	No.	2
Y(전달거리,cm)	X(전달시간, μs)	Y(전달거리,cm)	X(전달시간, μs)
10	26.5	10	25.2
20	50.7	20	48.7
30	81.7	30	75.6
40	100.5	40	102.5
50	124.5	50	125.9
초음파속도 Vi	4.05	초음파속도 Vi	3.92

$y = 0.404x - 1.079$
 $R^2 = 0.995$

$y = 0.391x + 0.405$
 $R^2 = 0.999$

원정교(대구) 초음파탐사 2

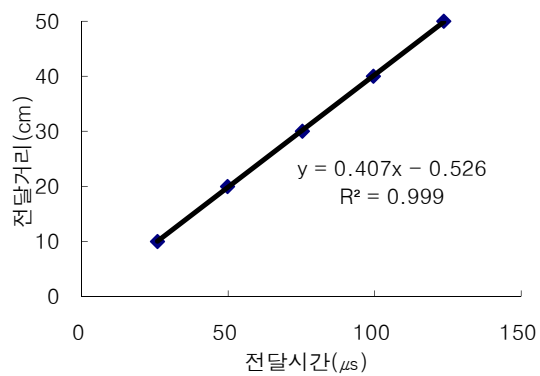
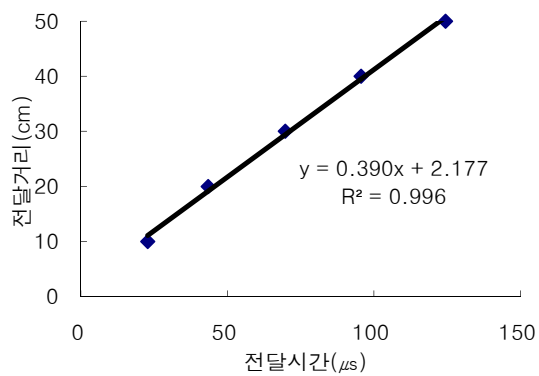
탐사위치	S2 캔틸레버		
No.	1	No.	2
Y(전달거리,cm)	X(전달시간, μs)	Y(전달거리,cm)	X(전달시간, μs)
10	24.9	10	23.8
20	47.8	20	45.9
30	74.6	30	71.5
40	99.9	40	95.6
50	121.4	50	123.8
초음파속도 Vi	4.07	초음파속도 Vi	4.00

$y = 0.407x - 0.040$
 $R^2 = 0.998$

$y = 0.399x + 1.162$
 $R^2 = 0.998$

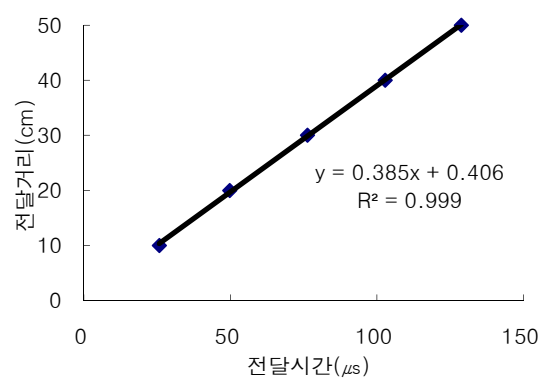
원정교(대구) 초음파탐사 3

탐사위치	S3 캔틸레버		
No.	1	No.	2
Y(전달거리, cm)	X(전달시간, μs)	Y(전달거리, cm)	X(전달시간, μs)
10	22.9	10	25.9
20	43.5	20	49.8
30	69.8	30	75.4
40	95.7	40	99.6
50	124.5	50	123.6
초음파속도 Vi	3.90	초음파속도 Vi	4.08

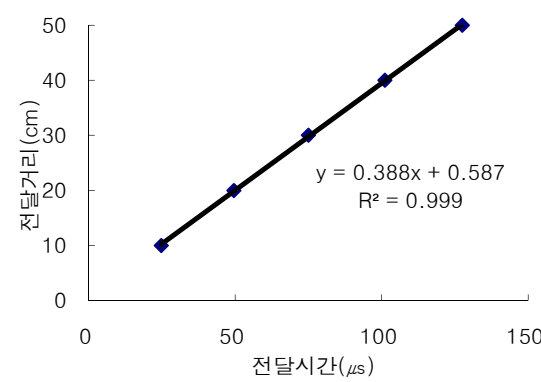


원정교(대구) 초음파탐사 1

탐사위치	A1 구체		
No.	1	No.	2
Y(전달거리,cm)	X(전달시간, μs)	Y(전달거리,cm)	X(전달시간, μs)
10	25.8	10	24.8
20	49.8	20	49.6
30	76.4	30	75.1
40	102.9	40	101.2
50	128.9	50	127.6
초음파속도 Vi	3.86	초음파속도 Vi	3.89



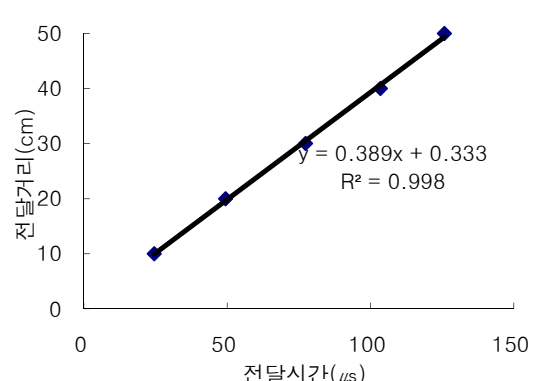
$y = 0.385x + 0.406$
 $R^2 = 0.999$



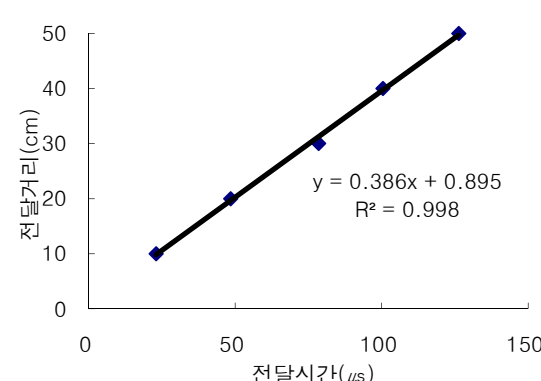
$y = 0.388x + 0.587$
 $R^2 = 0.999$

원정교(대구) 초음파탐사 2

탐사위치	A2 구체		
No.	1	No.	2
Y(전달거리,cm)	X(전달시간, μs)	Y(전달거리,cm)	X(전달시간, μs)
10	24.6	10	23.1
20	49.5	20	48.5
30	77.4	30	78.5
40	103.5	40	100.5
50	125.8	50	126.4
초음파속도 Vi	3.90	초음파속도 Vi	3.86

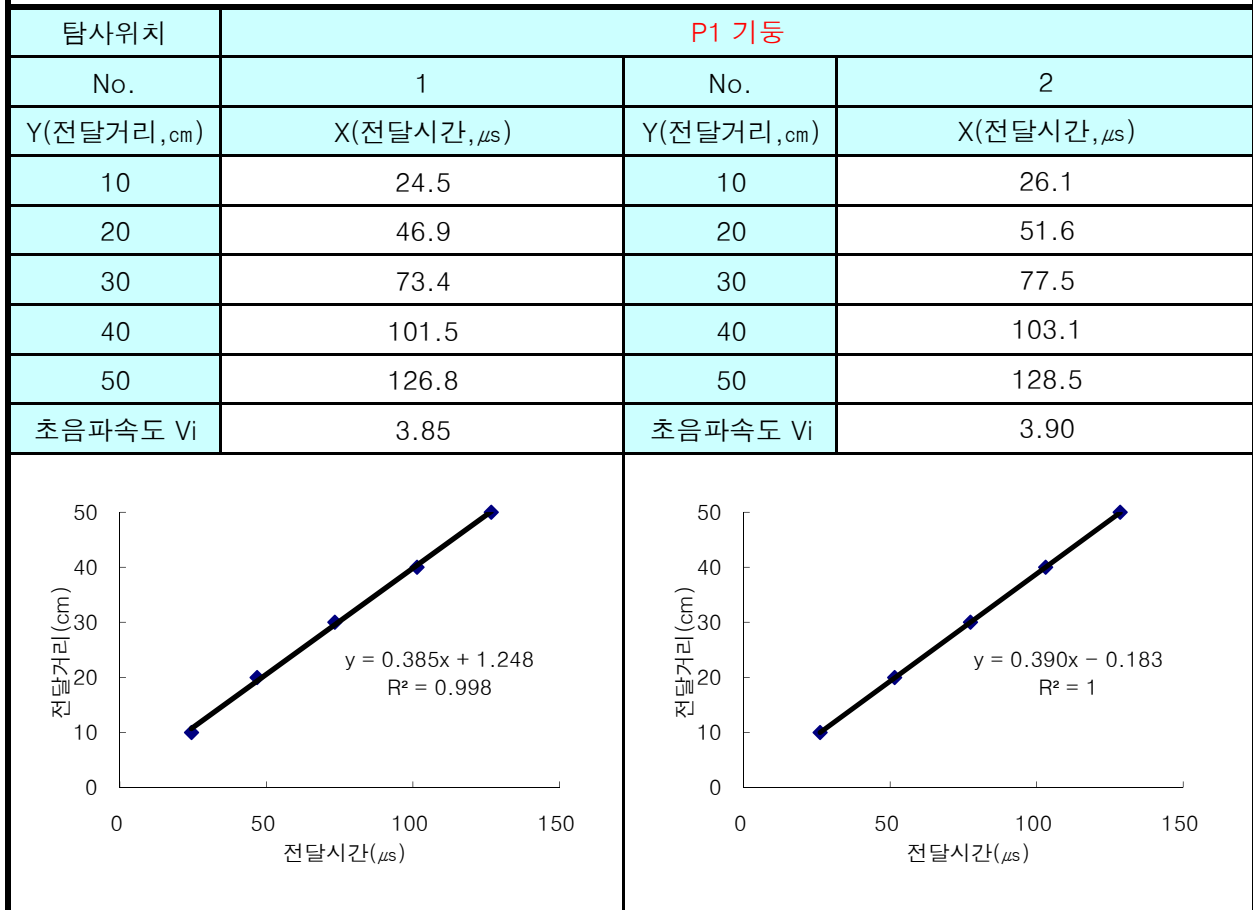


$y = 0.389x + 0.333$
 $R^2 = 0.998$



$y = 0.386x + 0.895$
 $R^2 = 0.998$

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원정교(대구) 초음파탐사 4

