

원정교(부산) 초음파탐사 1

탐사위치	S1 캔틸레버		
No.	1	No.	2
Y(전달거리,cm)	X(전달시간, μs)	Y(전달거리,cm)	X(전달시간, μs)
10	22.8	10	23.9
20	46.9	20	46.8
30	70.1	30	74.8
40	98.0	40	97.4
50	121.5	50	125.1
초음파속도 Vi	4.02	초음파속도 Vi	3.95

$y = 0.402x + 1.106$
 $R^2 = 0.999$

$y = 0.394x + 0.943$
 $R^2 = 0.998$

원정교(부산) 초음파탐사 2

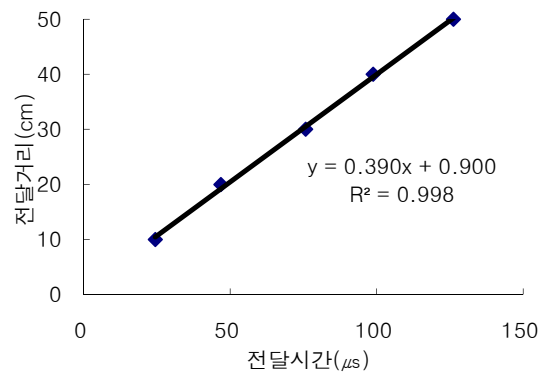
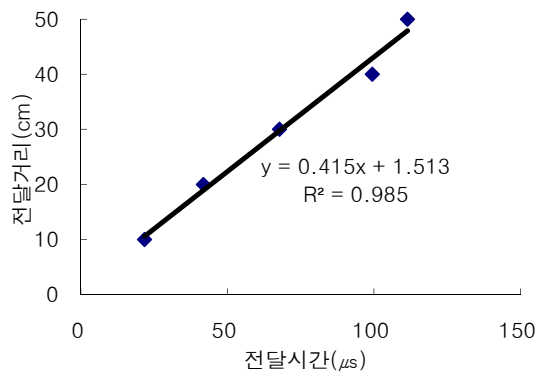
탐사위치	S2 캔틸레버		
No.	1	No.	2
Y(전달거리,cm)	X(전달시간, μs)	Y(전달거리,cm)	X(전달시간, μs)
10	24.5	10	23.9
20	47.8	20	47.8
30	75.6	30	73.6
40	101.3	40	98.5
50	124.8	50	120.7
초음파속도 Vi	3.93	초음파속도 Vi	4.09

$y = 0.393x + 0.586$
 $R^2 = 0.999$

$y = 0.409x + 0.176$
 $R^2 = 0.999$

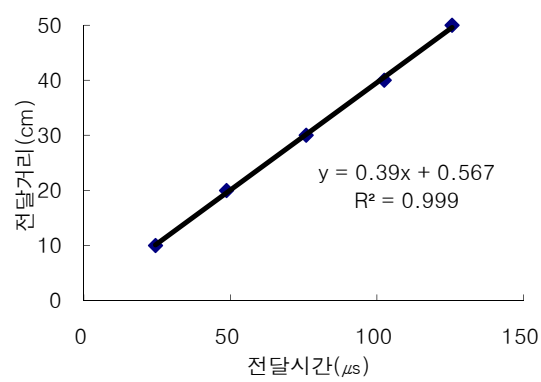
원정교(부산) 초음파탐사 3

탐사위치	S3 캔틸레버		
No.	1	No.	2
Y(전달거리, cm)	X(전달시간, μs)	Y(전달거리, cm)	X(전달시간, μs)
10	21.8	10	24.5
20	41.9	20	46.9
30	67.8	30	75.8
40	99.5	40	98.9
50	111.5	50	126.3
초음파속도 Vi	4.16	초음파속도 Vi	3.91

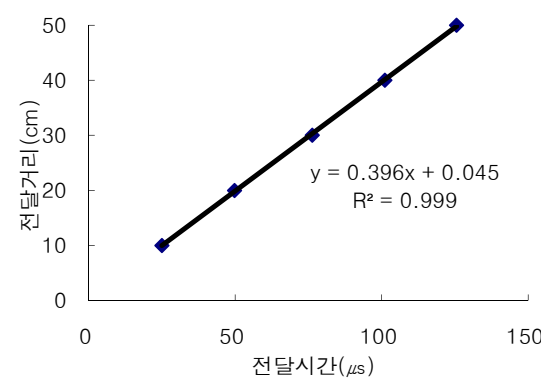


원정교(부산) 초음파탐사 1

탐사위치	A1 구체		
No.	1	No.	2
Y(전달거리,cm)	X(전달시간, μ s)	Y(전달거리,cm)	X(전달시간, μ s)
10	24.5	10	25.1
20	48.7	20	49.8
30	75.9	30	76.4
40	102.5	40	101.2
50	125.7	50	125.6
초음파속도 Vi	3.90	초음파속도 Vi	3.96



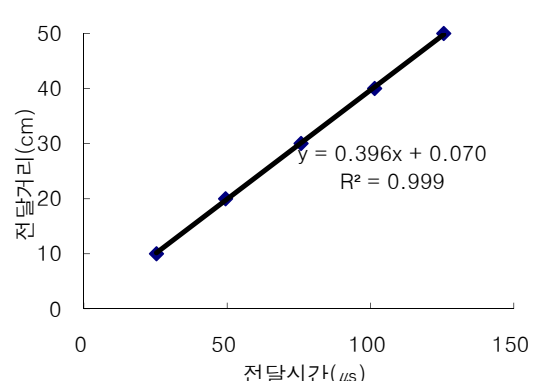
$y = 0.39x + 0.567$
 $R^2 = 0.999$



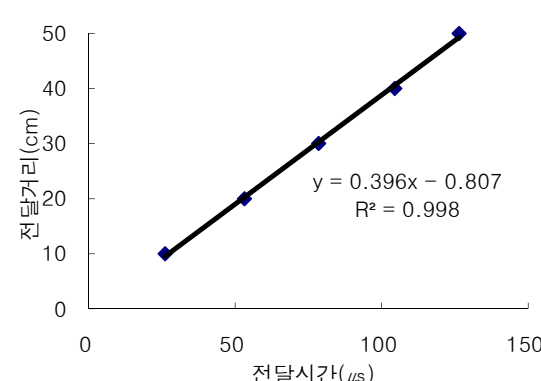
$y = 0.396x + 0.045$
 $R^2 = 0.999$

원정교(부산) 초음파탐사 2

탐사위치	A2 구체		
No.	1	No.	2
Y(전달거리,cm)	X(전달시간, μ s)	Y(전달거리,cm)	X(전달시간, μ s)
10	25.4	10	26.1
20	49.5	20	53.2
30	75.8	30	78.5
40	101.5	40	104.5
50	125.6	50	126.5
초음파속도 Vi	3.96	초음파속도 Vi	3.96

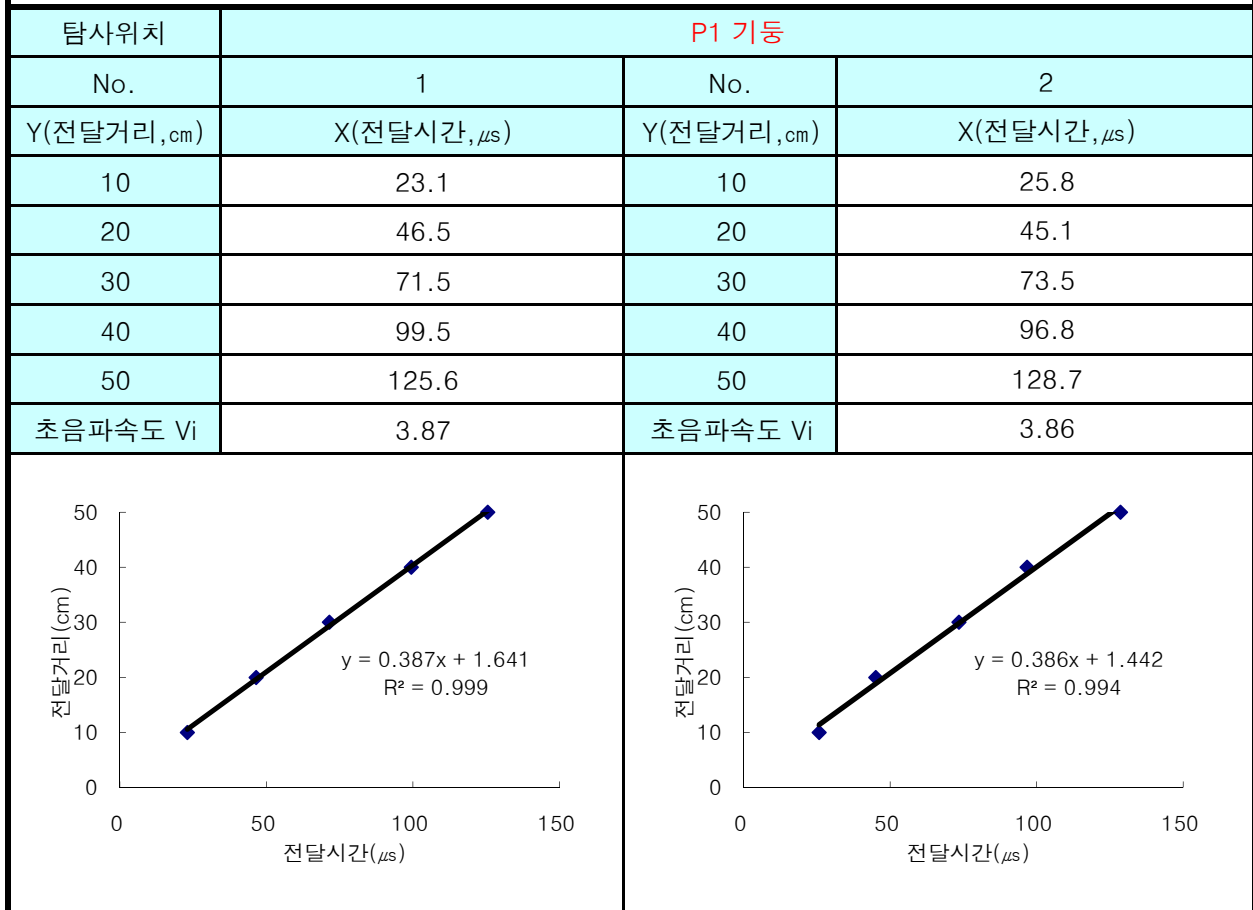


$y = 0.396x + 0.070$
 $R^2 = 0.999$



$y = 0.396x - 0.807$
 $R^2 = 0.998$

원정교(부산) 초음파탐사 3



원정교(부산) 초음파탐사 4

