

# ST計算書

## 座標による距離方向角の計算

	1	2	3	4	5
1	No. 295	No. 294	No. 295		
2	No. 296	No. 295	No. 297		
y2	-10719.963	-10415.503	-10451.599		
y1	-10745.248	-10629.300	-10630.829		
y2-y1	+25.286	+213.797	+179.530		
x2	-43734.205	-43804.907	-44050.629		
x1	-43848.419	-43852.171	-43990.147		
x2-x1	+113.514	+47.264			
y2-y1	+25.286	+213.797	+179.530		
x2-x1	+113.514	+47.264	-60.482		
tan $\theta$					
$\theta =$	12.54	29.77	108.67		
y2-y1 or x2-x1					
sin $\theta$ or cos $\theta$					
s =	116.296	218.959	189.444		
S : s	0.999901	0.999901	0.999901		
S =	116.298	218.981	189.463		

1					
2					
y2					
y1					
y2-y1					
x2					
x1					
x2-x1					
y2-y1					
x2-x1					
tan $\theta$					
$\theta =$					
y2-y1 or x2-x1					
sin $\theta$ or cos $\theta$					
s =					
S : s					
S =					

## 座標による距離方向角の計算

	1	2	3	4	5
1	No 295 /	B. 1 /	B. 2 /	B. 3 /	B. 4 /
2	B. 1 /	B. 2 /	B. 3 /	B. 4 /	B. 5 /
y2	-10 707.776 /	-10 707.148 /	-10 712.204 /	-10 665.897 /	-10 626.088 /
y1	-10 745.248 /	-10 707.776 /	-10 707.148 /	-10 712.204 /	-10 665.897 /
y2-y1	+ 37.472 /	+ 0.628 /	- 5.056 /	+ 46.307 /	+ 39.809 /
x2	-43 851.209 /	-43 888.900 /	-43 916.275 /	-43 916.539 /	-43 921.803 /
x1	-43 848.419 /	-43 851.209 /	-43 888.900 /	-43 916.275 /	-43 916.539 /
x2-x1	- 2.790 /	- 37.691 /	- 27.375 /	- 0.264 /	- 5.264 /
y2-y1	+ 37.472 /	+ 0.628 /	- 5.056 /	+ 46.307 /	+ 39.809 /
x2-x1	- 2.790 /	- 37.691 /	- 27.375 /	- 0.264 /	- 5.264 /
tan $\theta$					
$\theta =$	175.44.41 /	179.2.44 /	190.27.51 /	90.19.06 /	97.01.57 /
y2-y1 or x2-x1					
sin $\theta$ or cos $\theta$					
s =	37.576 /	37.696 /	27.838 /	46.308 /	40.156 /
S: s	0.999901 /	0.999901 /	0.999901 /	0.999901 /	0.999901 /
S =	37.579 /	37.670 /	27.841 /	46.313 /	40.160 /

1	No 24 /	B. 6 /			
2	B. 6 /	B. 5 /			
y2	-10 632.267 /	-10 626.088 /			
y1	-10 629.300 /	-10 632.267 /			
y2-y1	- 2.967 /	+ 6.179 /			
x2	-43 887.121 /	-43 921.803 /			
x1	-43 852.171 /	-43 887.121 /			
x2-x1	- 34.950 /	- 34.682 /			
y2-y1	- 2.967 /	+ 6.179 /			
x2-x1	- 34.950 /	- 34.682 /			
tan $\theta$					
$\theta =$	184.51.8 /	169.53.53 /			
y2-y1 or x2-x1					
sin $\theta$ or cos $\theta$					
s =	35.076 /	35.228 /			
S: s	0.999901 /	0.999901 /			
S =	35.079 /	35.232 /			

## 座標による距離方向角の計算

	1	2	3	4	5
	10.425	8.7			
	8.7	8.5			
y2	-10.630150	-10.626088			
y1	-10.630829	-10.630150			
y2-y1	+ 0.679	+ 4.062			
x2	-43.967411	-43.921803			
x1	-43.990147	-43.967411			
x2-x1	+ 22.736	+ 45.608			
y2-y1	+ 0.679	+ 4.062			
x2-x1	+ 22.736	+ 45.608			
tan $\theta$					
$\theta =$	1.4238	5.522			
y2-y1 or x2-x1					
sin $\theta$ or cos $\theta$					
s =	22.746	45.789			
S : s	0.999901	0.999901			
S =	22.748	45.793			

1					
2					
y2					
y1					
y2-y1					
x2					
x1					
x2-x1					
y2-y1					
x2-x1					
tan $\theta$					
$\theta =$					
y2-y1 or x2-x1					
sin $\theta$ or cos $\theta$					
s =					
S : s					
S =					