[별지 제19호서식]

좌표전환계산부(B·L→X·Y)

_____점 (부)

B= ° ′ ″.
L= ° ′ ″.
b_O= 37°56′31.″7245
L_O=

$l = a(L - L_O)$
$b - b_O = \beta = A_1(B-B_O) + A_2(B-B_O)^2 + A_3(B-B_O)^3 + A_4(B-B_O)^4 + A_5(B-B_O)^5$
$b = b_O + \beta$
$\tan b' = \tan b / \cos l$
$x = b' - b_O$
$X = x \cdot v\ (v = A/\rho)$
$\sin y' = \cos b \sin l$
$y = y' + (1/6\rho^2)y'^3 + (1/24\rho^4)y'^5$
$Y = y \cdot v$
$\tan c = \tan b' \sin y'$

$B-B_O$ =	− ° ′ ″.						
=	− ″.						
$L-L_O$ =	− ° ′ ″.						
=	− ″.						
X(종선)							
A_1 =	0.997920320						
$B-B_O$ =							
$A_1(B-B_O)$ =	.						
=	.						
A_2 =	2.35584453×10⁻⁸	b' =	° ′ ″.	$-1/24\rho^4$ =	2.3019094×10⁻²³		
$(B-B_O)^2$ =		$-b_O$ =	37°56′31.″7245	y'^5 =			
$A_2(B-B_O)^2$ =	″.	x =	− ° ′ ″.	$(1/24\rho^4)y'^5$ =	″.		
A_3 =	1.9602542×10⁻¹⁴	=	− ″.	=			
$(B-B_O)^3$ =		V =	30.89329574	y' =	− ″.		
$A_3(B-B_O)^3$ =	″.	X =	− m.	$(1/6\rho^2)y'^3$ =	− .		
A_4 =	2.4470818×10⁻¹⁹			$(1/24\rho^4)y'^5$ =	− .		
$(B-B_O)^4$ =	.			y =	− .		
$A_4(B-B_O)^4$ =	″.			V =	− 30.89329574		
A_5 =	1.8094075×10⁻²⁵			Y =	− m.		
$(B-B_O)^5$ =		Y(횡선)					
$A_5(B-B_O)^5$ =	″.	α =	1.001294602				
		$L-L_O$ =	− ″.				
$A_1(B-B_O)$ =	− ° ′ ″.	l =	− ″.				
$A_2(B-B_O)^2$ =	− .	=					
$A_3(B-B_O)^3$ =	.	$\cos b$ =	.				
$A_4(B-B_O)^4$ =	− .	$\sin l$ =	.				
$A_5(B-B_O)^5$ =	.	$\sin y'$ =	.	C(자오선 수차)			
$b-b_O=\beta$ =	− ° ′ ″.	y' =	− ° ′ ″.	$\tan b'$ =	.		
$b=b_O+\beta$ =	° ′ ″.	=	″.	$\sin y'$ =	.		
$\tan b$ =	.	$1/6\rho^2$ =	3.9174050×10⁻¹²	$\tan c$ =	.		
$\cos l$ =	.	y'^3 =		C =	− ° ′ ″.		
$\tan b'$ =	.	$(1/6\rho^2)y'^3$ =	″.				

210㎜×297㎜(보존용지(1종) 70g/㎡)