

## Planar Photogrammetric Analysis

coordinates of 4 reference points on actual flat surface by measurement	xr1	0.000	yr1	0.000
	xr2	20.000	yr2	0.000
	xr3	0.000	yr3	20.000
	xr4	20.000	yr4	20.000

coordinates of 4 reference points on photograph surface by measurement	xp1	0.000	yp1	0.000
	xp2	20.000	yp2	1.418
	xp3	0.270	yp3	3.263
	xp4	12.166	yp4	3.637

coordinates of unknown points on photograph surface by measurement	xf1	5.507	yf1	5.000
	xf2	0.000	yf2	0.000
	xf3	0.000	yf3	0.000
	xf4	0.000	yf4	0.000
	xf5	0.000	yf5	0.000
	xf6	0.000	yf6	0.000
	xf7	0.000	yf7	0.000
	xf8	0.000	yf8	0.000
	xf9	0.000	yf9	0.000
	xf10	0.000	yf10	0.000
	xf11	0.000	yf11	0.000
	xf12	0.000	yf12	0.000
	xf13	0.000	yf13	0.000
	xf14	0.000	yf14	0.000
	xf15	0.000	yf15	0.000
	xf16	0.000	yf16	0.000
	xf17	0.000	yf17	0.000
	xf18	0.000	yf18	0.000
	xf19	0.000	yf19	0.000
	xf20	0.000	yf20	0.000

### Actual Coords of Reference Points by Computation

xsr1	0.000	ysr1	0.000
xsr2	20.000	ysr2	0.000
xsr3	0.000	ysr3	20.000
xsr4	20.000	ysr4	20.000

**NOTE: No more than two of the four  
reference points on the actual flat  
surface can be collinear.**

### Coordinates of Unknown Points on Flat Surface

xs1	14.486	ys1	56.067
xs2	0.000	ys2	0.000
xs3	0.000	ys3	0.000
xs4	0.000	ys4	0.000
xs5	0.000	ys5	0.000
xs6	0.000	ys6	0.000
xs7	0.000	ys7	0.000
xs8	0.000	ys8	0.000
xs9	0.000	ys9	0.000
xs10	0.000	ys10	0.000
xs11	0.000	ys11	0.000
xs12	0.000	ys12	0.000
xs13	0.000	ys13	0.000
xs14	0.000	ys14	0.000
xs15	0.000	ys15	0.000
xs16	0.000	ys16	0.000
xs17	0.000	ys17	0.000
xs18	0.000	ys18	0.000
xs19	0.000	ys19	0.000
xs20	0.000	ys20	0.000

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