

Minimal Constraints = 4 14-1
 (location, orientation, scale)
 fix X_1, Y_1, X_2, Y_2

fix $X_1, Y_1, \text{Bearing } 1-2, X_4$

fix Y_1, Y_2, Y_3, Y_4

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1D network # Min. Constraints = 1 14-2

2D # Mc = 3 X_1, Y_1, X_2
 X_1, Y_1, Y_4

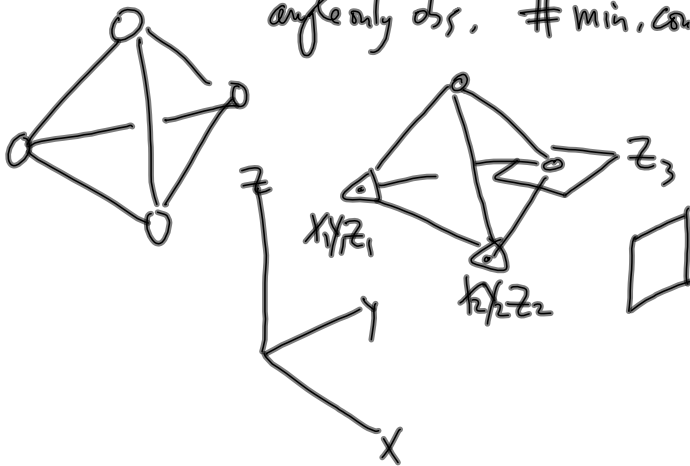
X_1, Y_1, X_4

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3D network

14-3

angle only obs. # min. constr. = 7

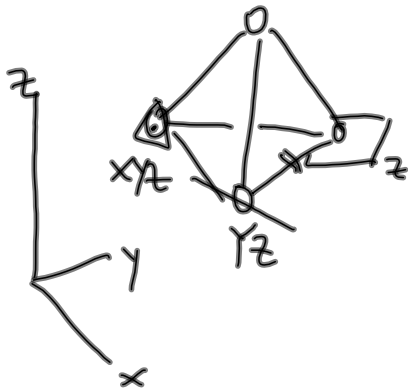


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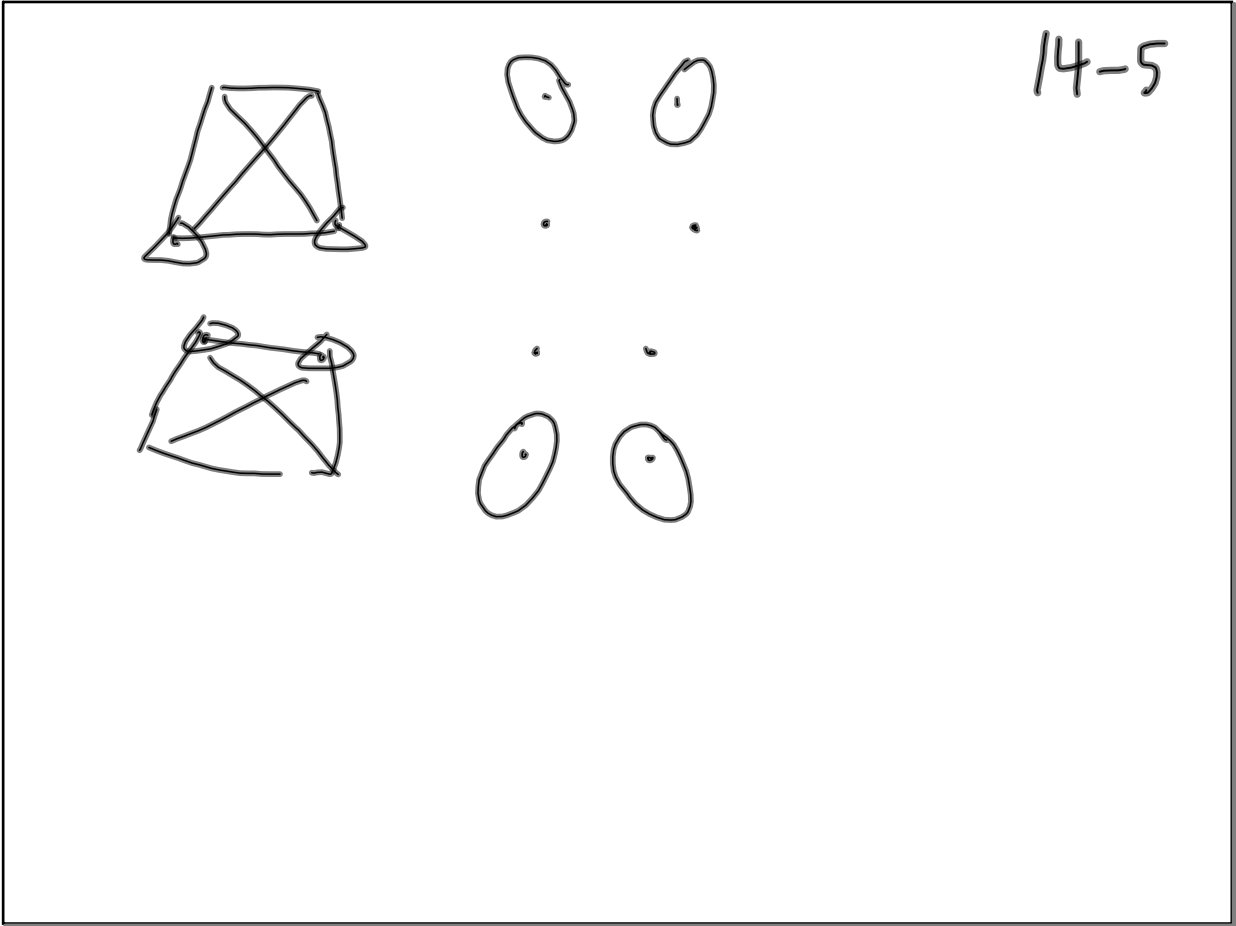
angle obs ≤ 1 dist

m.c. = 6

14-4



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