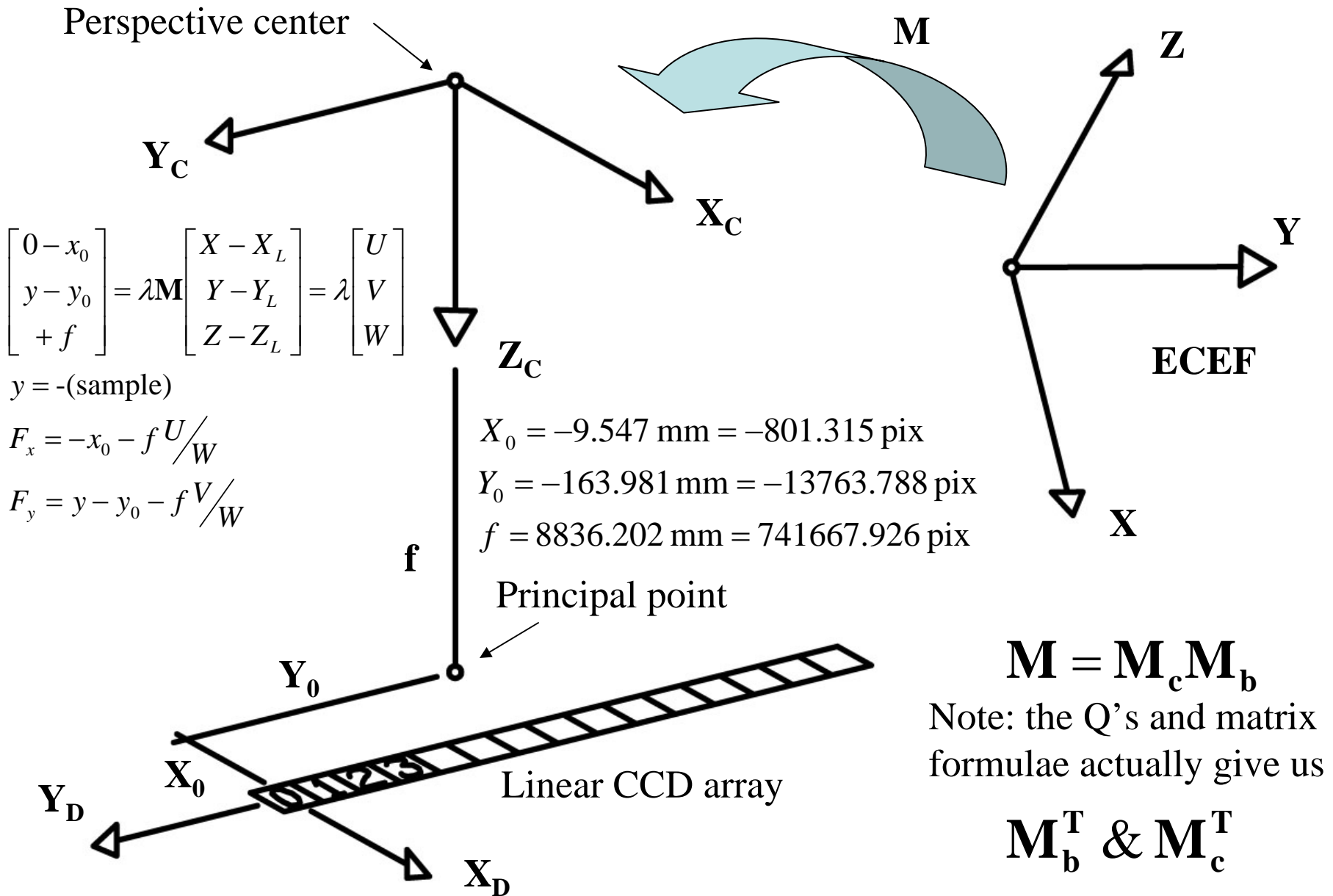


CE 603 Photogrammetry II



hw3c.lst

```

hw3c
obs_line =
  2274
obs_samp =
  1287
idx1 =
  675
idx2 =
  676
frac =
  0.679110869692522
XL YL ZL idx1
ans =
  391564.504756686          -5230932.25364448          4358986.67149539
XL YL ZL idx2
ans =
  391539.383791423          -5231031.02800897          4358870.75917628
XL YL ZL interp
ans =
  391547.444836119          -5230999.33238905          4358907.95417955
XL YL ZL km
ans =
  391.547444836119          -5230.99933238905          4358.90795417955
Qi =
  -0.683182928175262
Qj =
  0.605658525922993
Qk =
  0.328294282697917
Qs =
  0.242201773637922
qi qj qk qs idx1
ans =
  -0.683205446961723          0.605662164383635          0.328274473639151
ans =
  0.242156003090778
qi qj qk qs idx2
ans =
  -0.683172287742122          0.60565680670081          0.328303642747835
ans =
  0.242223400844498
qi qj qk qs interp
ans =
  -0.683182928175262          0.605658525922993          0.328294282697917
Qk =
  0.328294282697917
normalized
ans =
  -0.683182928660721          0.605658526353364          0.328294282931198
Qs =
  0.242201773810027
mct =
  0.999950667244421          -0.00339937698239661          -0.00933312989132855
  0.00346903691593438          0.999966173592932          0.0074577109616528
  0.00930746261409321          -0.00748972002435498          0.999928635070346
mbt =
  0.0508012265003249          -0.986578046920108          -0.155186960539111
  -0.6685242162896          -0.149032100437497          0.728604697537398
  -0.741953238162917          0.0667322289039762          -0.667122329115935
mt =
  0.045931847837206          -0.985555060163662          -0.163007633993197
  -0.662226773023135          -0.152211538576957          0.733680685731471
  -0.747894355136891          0.0742487098193363          -0.659652304357787

```

```

                                hw3c.lst
m =
    0.045931847837206      -0.662226773023135      -0.747894355136891
   -0.985555060163662      -0.152211538576957      0.0742487098193363
   -0.163007633993197      0.733680685731471      -0.659652304357787
ground point dec deg h km
ans =
    39.7778888888889      -86.3799166666667      0.2274
ground point rad h km
ans =
    0.69425513060358      -1.50761395343166      0.2274
XYZ km
ans =
    309.936872025781      -4898.90331452033      4059.2085425716
f xo yo (pix)
ans =
    741667.925693892      -801.315      -13763.788
U V W
ans =
    0.472099520166637      7.63057251550039      454.652987983114
x,y refined
xrf =
    801.315
yrf =
    12476.788
Fx,Fy should be small
Fx =
    31.1868339093469
Fy =
    29.160822768763
uvw
uvw =
    0.472099520166637
    7.63057251550039
    454.652987983114
f*U/W  f*V/W
fUW =
    770.128166090653
fVW =
    12447.6271772312
diary off

```