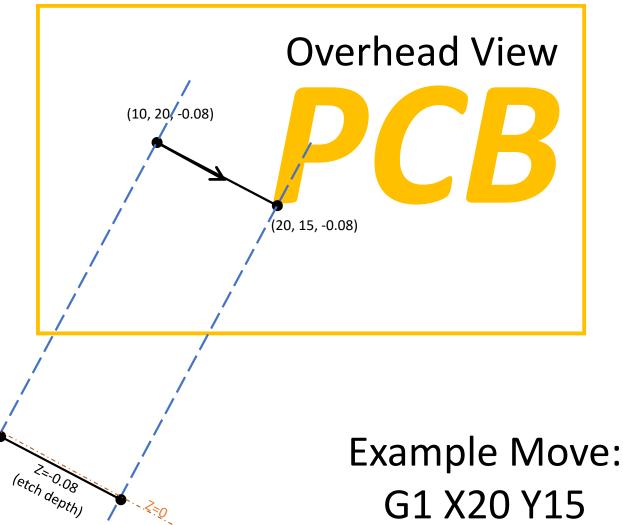
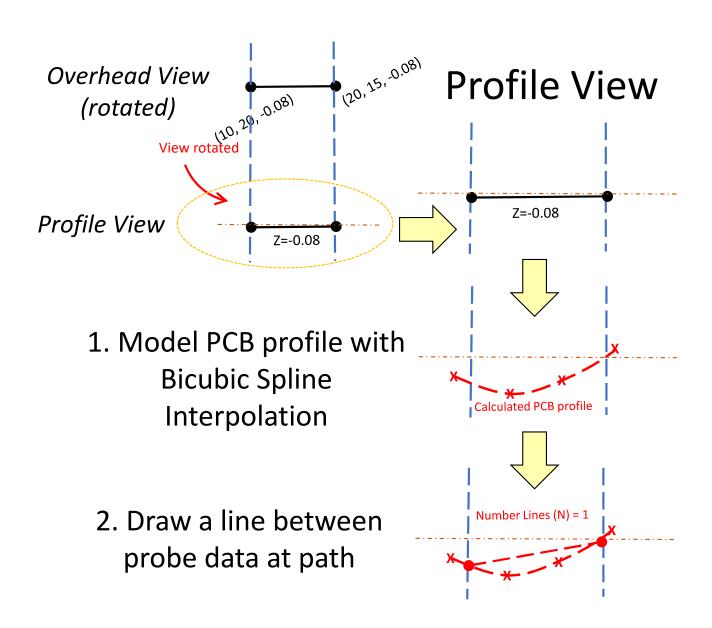
## td0g's PCB Gcode Toolkit

**Bicubic Spline Levelling Algorithm** 

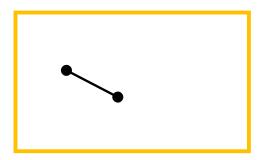


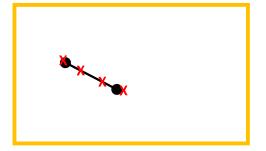
**Profile View** 

G1 X20 Y15



## Overhead view





Example Move: G1 X20 Y15

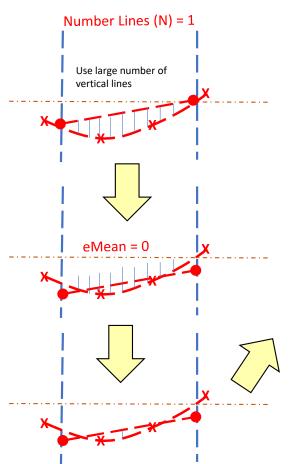
## **Profile View**

## **Profile View**

3. Estimate average error (eMean)

4. Shift straight line down by eMean / 2

5. Calculate Max Error (eMax)



6a. If eMax > cCrit, double number of lines to model spline and repeat steps 2 -6.

This may be repeated multiple times and N may be 4, 8, 16, or more.

