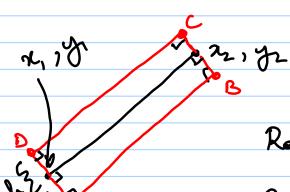
BOUNDING RECTANGLE

COORDINATE

7/14/2019

CALCULATION



h= Cond

Rectangle is given by

points A,B,C,D

i

$$y = \frac{y^2 - y_1}{n_2 - n_1} + y_1 - \frac{y_2 - y_1}{n_2 - n_1}$$

$$= M_{LINE} = \frac{g_2 - g_1}{n_2 - n_1}$$

is:

$$\frac{y-y_1}{x-x_1} = \frac{y_0-y_1}{x_0-x_1}$$

$$\frac{\left(\frac{h}{L}\right)^{2}}{L} = \frac{(x_{0} - x_{1})^{2}}{(y_{2} - y_{1})^{2}}$$

$$\frac{h}{L} = \frac{1}{x_{0} - x_{1}}$$

$$\frac{h}{y_{2} - hy_{1}} = \frac{h}{hy_{2} - hy_{1}} + \frac{h}{hy_{1}}$$

$$\frac{h}{y_{2} - hy_{1}} = \frac{h}{hy_{2} - hy_{1}} + \frac{h}{hy_{2} - hy_{1}}$$

$$\frac{h}{y_{2} - hy_{1}} = \frac{h}{hy_{2} - hy_{1}}$$

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