Sept-12

Note Title 12-09-2012

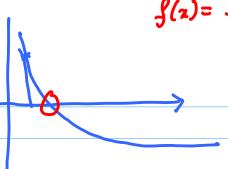
1) Floating point division.

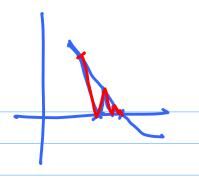
Rectangular hyperbola

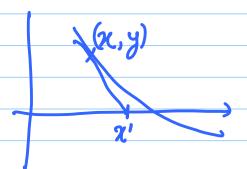
$$\frac{a}{b} = a \times \left(\frac{1}{b}\right)$$

$$f(x) = \frac{1}{x} - b$$









$$\frac{\gamma_{-0}}{\gamma_{-\alpha'}} = f'(\alpha) = \frac{-1}{\alpha^2}$$

$$\Rightarrow -x^2y = x - x'$$

$$\Rightarrow -x^2(\frac{1}{x} - b) = x - x'$$

$$\Rightarrow -\chi^2(\frac{1}{2}-b) = \chi-\chi'$$

$$\Rightarrow -\alpha + b\alpha^2 = \alpha - \alpha^1$$

$$\Rightarrow \alpha' = 2\alpha - b\alpha^2 \quad \{0(\log n)\} \quad \text{at the root}$$

$$\in = 0$$

$$\mathcal{C}_{\mathbf{x}'} = \mathbf{b}\mathbf{x}' - 1$$

$$=b(2\pi-bx^2)-1$$

$$=2bx-b^{L}x^{2}-1$$

$$=-(2\pi-1)^2=-\epsilon_{\chi}^2$$

$$\epsilon_{\chi'} = -\epsilon_{\chi}^2$$



Mis u a finite process.

1BM algorithm.

(2<1)

$$\gamma = \frac{a}{b}$$
 $b = 1-x$

$$\gamma = \underbrace{\alpha}_{(1-x)} \underbrace{(1+x)}_{-1+x} = \underbrace{\alpha}_{(1+x)} \underbrace{(1+x^2)}_{(1-x^4)}$$

$= \frac{\alpha(1+\alpha)(1+\alpha^2)(1+\alpha^2)}{(1-\alpha^2)}$
$\gamma = \alpha (Hx) \cdot - \cdot (1 + x^2)$