1

2

$2^{31} - 1 \simeq 2.10^9$

$2^{63} - 1 \simeq 9.10^{18}$

th

2

N_{dim}

$$2 + 2 \times (N_{\text{dim}} \times 3)$$

> 2

$2^{31} - 1$

$2^{63} - 1$

$$N_{\mathrm{chan}} = (\mathrm{VisiSize} - 7)/3.$$

$-v_G/c$

v_G

$$F_{source} * (1 + Doppler - V/C)$$

$$F_{obs} = F_{source} * (1 + Doppler - V/C)$$

u

μ

$2\,10^{-9}$

δ

$$\Delta\phi = 2\pi u \delta \Delta X = 2\pi \frac{B}{\lambda} \delta \Delta X.$$

$$\Delta X \leq \frac{0.1\lambda}{2\pi B\delta},$$

$\delta = 10^{-7}$

$B = 20$

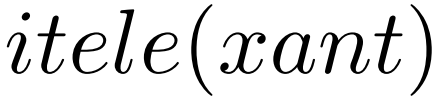
$\lambda = 0.3$

$$\Delta X \leq 2.4\,10^{-3}$$

0.13°

$$magic \times itele(iant) + itele(jant)$$

magic



$xant$

$(iant, jant)$

$$pair = itele(iant) = itele(jant)$$

$$RR = DD$$

$$LL = SS$$

$$RL \neq DS$$

$$LR \neq SD$$

$j = 1$ to 4

4×3

4×2

< 2

> 1

$code_uvt_u, code_uvt_v$