











$$\sigma_{\text{psw}}^{\text{track}} = \frac{2 T_{\text{sys}}}{\eta_{\text{spec}} \sqrt{d\nu} n_{\text{pol}} \eta_{\text{tel}} t_{\text{tel}}}, \quad \text{and} \quad \sigma_{\text{fsw}}^{\text{track}} = \frac{\sqrt{2} T_{\text{sys}}}{\eta_{\text{spec}} \sqrt{d\nu} n_{\text{pol}} \eta_{\text{tel}} t_{\text{tel}}}.$$

$$\sigma_{\text{psw}}^{\text{otf}} = \frac{\left( \sqrt{n_{\text{beam}}} + \sqrt{n_{\text{submap}}} \right) T_{\text{sys}}}{\eta_{\text{spec}} \sqrt{d\nu} n_{\text{pol}} \eta_{\text{tel}} t_{\text{tel}}}, \quad \text{and} \quad \sigma_{\text{fsw}}^{\text{otf}} = \frac{\sqrt{2} n_{\text{beam}} T_{\text{sys}}}{\eta_{\text{spec}} \sqrt{d\nu} n_{\text{pol}} \eta_{\text{tel}} t_{\text{tel}}}.$$















$$T_{\text{sys}} = \frac{(1 + G_{\text{im}}) \exp \{ \tau_s A \}}{F_{\text{eff}}} [F_{\text{eff}} T_{\text{atm}} (1 - \exp \{ -\tau_s A \}) + (1 - F_{\text{eff}}) T_{\text{cab}} + T_{\text{rec}}],$$







Adrianus











$$n_{\text{beam}} = \frac{A_{\text{map}}}{A_{\text{beam}}} \quad \text{with} \quad A_{\text{beam}} = \frac{\eta_{\text{grid}} \pi \theta^2}{4 \ln(2)}.$$

1000



1990





www.fox.com

$$n_{\text{submap}} = \frac{A_{\text{map}}}{A_{\text{submap}}} \quad \text{with} \quad A_{\text{submap}} = \frac{\theta}{2.5} v_{\text{linear}} t_{\text{stable}}$$



spiral











199

1002

$$\frac{n_{\text{pol}} n_{\text{pix}}}{T_{\text{sys}}^2} = \sum_{i=1, n_{\text{pol}}, j=1, n_{\text{pix}}} \frac{1}{T_{\text{sys}_{ij}}^2} \cdot$$

$$\sigma_{\text{psw}}^{\text{track}} = \frac{2 \overline{T}_{\text{sys}}}{\eta_{\text{spec}} \sqrt{d\nu} n_{\text{pol}} \eta_{\text{tel}} t_{\text{tel}}}, \quad \text{and} \quad \sigma_{\text{fsw}}^{\text{track}} = \frac{\sqrt{2} \overline{T}_{\text{sys}}}{\eta_{\text{spec}} \sqrt{d\nu} n_{\text{pol}} \eta_{\text{tel}} t_{\text{tel}}}.$$













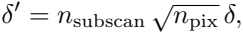




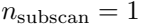


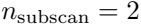
**0 = 1**

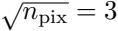




$$\tan \alpha = \frac{1}{n_{\text{subscan}} \sqrt{n_{\text{pix}}}}.$$























0123456789abcdefghijklmnopqrstuvwxyz

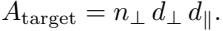


Algorithm









Adagio



degree =  $\sqrt{\text{price}^2 + \text{cost}^2}$

$$\text{degree} = \sqrt[n]{\text{price}} - 1 \quad \sqrt[n]{\text{price}} + \sqrt[n]{\text{price}} - 1$$



$$\eta_{\text{edge}} = \frac{A_{\text{target}}}{A_{\text{target}} + A_{\text{edge}}}, \quad \text{with } A_{\text{edge}} = n_{\perp} d_{\perp} d_{\text{edge}}.$$



$$\eta_{\text{edge}} = \frac{1}{1 + \frac{d_{\text{edge}}}{d_{\parallel}}} = \frac{1}{1 + \frac{d_{\text{edge}}}{a n_{\perp} d_{\perp}}}.$$

$$a = \frac{d_{\parallel}}{n_{\perp} d_{\perp}} \text{ with } a > 1 \text{ and } n_{\perp} \text{ integer.}$$

1991



$$v_1 d_1(d_1 + d_{edge}) = A_{chunk} v_1 d_1 = v_1 \text{linear } d_1 \text{ chunk}$$



$$n_{\perp}^2 + n_{\perp} \frac{d_{\text{edge}}}{ad_{\perp}} - \frac{A_{\text{chunk}}}{ad_{\perp}^2} = 0.$$

$$n_{\perp} = \frac{1}{2} \frac{d_{\text{edge}}}{a d_{\perp}} \left[ \sqrt{1 + \frac{4a A_{\text{chunk}}}{d_{\text{edge}}^2}} - 1 \right].$$



$$\eta_{\text{edge}} = \frac{1}{1 + \frac{2}{\sqrt{1 + \frac{4a}{d_{\text{edge}}^2} A_{\text{chunk}} - 1}}}$$

with  $\frac{a A_{\text{chunk}}}{d_{\text{edge}}^2} = \frac{\theta}{4\delta} \frac{a f_{\text{dump}} t_{\text{chunk}}}{\left[ \left( \sqrt{n_{\text{subscan}} n_{\text{pix}}} - \frac{1}{\sqrt{n_{\text{subscan}} n_{\text{pix}}}} \right) - \left( \sqrt{n_{\text{subscan}}} - \frac{1}{\sqrt{n_{\text{subscan}}}} \right) \right]^2}.$



advent











100%

$$Q = \frac{A_{\text{chunk}}}{(n_{\perp} d_{\perp})^2} - \frac{d_{\text{edge}}}{n_{\perp} d_{\perp}}.$$



$$\text{degree} = \sqrt[n]{\text{priz}} = \sqrt[n]{\text{priz}} = \sqrt[n]{\text{priz}}$$

$t_{\text{DSW chunk}} = 2 \text{ minutes}$  and  $t_{\text{DSW chunk}} = 10 \text{ minutes}$ .

$$A_{\text{chunk}} = \frac{\theta}{4} f_{\text{dump}} \frac{d_{\perp}}{n_{\text{subscan}}} t_{\text{chunk}}.$$

Apart from  
mini  
A class

7 min ago

= 0.9





$$n_{\perp} = \text{floor} \left[ \frac{\sqrt{A_{\text{target}}}}{d_{\perp}} \right],$$



if  $_1 = 0$ , then send an error message 'Area too small, raise  $_1$ '



$$a = \frac{A_{\text{target}}}{(r_{\perp} d_{\perp})^2}.$$



$$n_{\perp} = \text{floor} \left\{ \frac{1}{2} \frac{d_{\text{edge}}}{d_{\perp}} \left[ \sqrt{1 + \frac{4A_{\text{chunk}}}{d_{\text{edge}}^2}} - 1 \right] \right\},$$



$$Q = \frac{A_{\text{chunk}}}{(n_{\perp} d_{\perp})^2} - \frac{d_{\text{edge}}}{n_{\perp} d_{\perp}}.$$

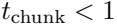
$$\eta_{\text{edge}} = \frac{1}{1 + \frac{d_{\text{edge}}}{a n_{\perp} d_{\perp}}} \cdot$$

Apart from  
mini  
Aston

$$A_{\text{new chunk}} = \frac{A_{\text{target}}}{\eta_{\text{edge}}} ;$$

$$t_{\text{chunk}}^{\text{new}} = t_{\text{chunk}} \frac{A_{\text{chunk}}^{\text{new}}}{A_{\text{chunk}}} ;$$

Achank - Achank - Achank - Achank







$$\text{redge}(A_{\text{map}}) + \text{redge}(A_{\text{map}}) = A_{\text{map}}$$

Amendable



1991 1991

$$A_{\text{map}}^{\text{pix}} = \frac{A_{\text{map}} / n_{\text{edge}}}{n_{\text{pix}}}.$$

$$\sigma_{\text{psw}}^{\text{otf}} = \frac{\left( \sqrt{n_{\text{beam}}^{\text{pix}}} + \sqrt{n_{\text{submap}}^{\text{pix}}} \right) \overline{T}_{\text{sys}}}{\eta_{\text{spec}} \sqrt{d\nu} n_{\text{pol}} \eta_{\text{tel}} t_{\text{tel}}}, \quad \text{and} \quad \sigma_{\text{fsw}}^{\text{otf}} = \frac{\sqrt{2 n_{\text{beam}}^{\text{pix}}} \overline{T}_{\text{sys}}}{\eta_{\text{spec}} \sqrt{d\nu} n_{\text{pol}} \eta_{\text{tel}} t_{\text{tel}}},$$

pix  
bead

Pixel  
art



$$n_{\text{beam}}^{\text{pix}} = \frac{A_{\text{map}}}{\eta_{\text{edge}} n_{\text{pix}} A_{\text{beam}}} \quad \text{and} \quad n_{\text{submap}}^{\text{pix}} = \frac{A_{\text{map}}}{\eta_{\text{edge}} n_{\text{pix}} A_{\text{submap}}^{\text{pix}}}$$

$$v_{\text{ith}} A_{\text{submap}}^{\text{pix}} = v_{\text{area}}^{\text{pix}} t_{\text{stable}} \text{ and } v_{\text{area}}^{\text{pix}} = \delta v_{\text{linear}}.$$

$$t_{\text{onoff}}^{\text{pix}} = \eta_{\text{edge}} \eta_{\text{tel}} t_{\text{tel}}^{\text{pix}} \text{ and } t_{\text{edge}}^{\text{pix}} = (1 - \eta_{\text{edge}}) \eta_{\text{tel}} t_{\text{tel}}.$$







