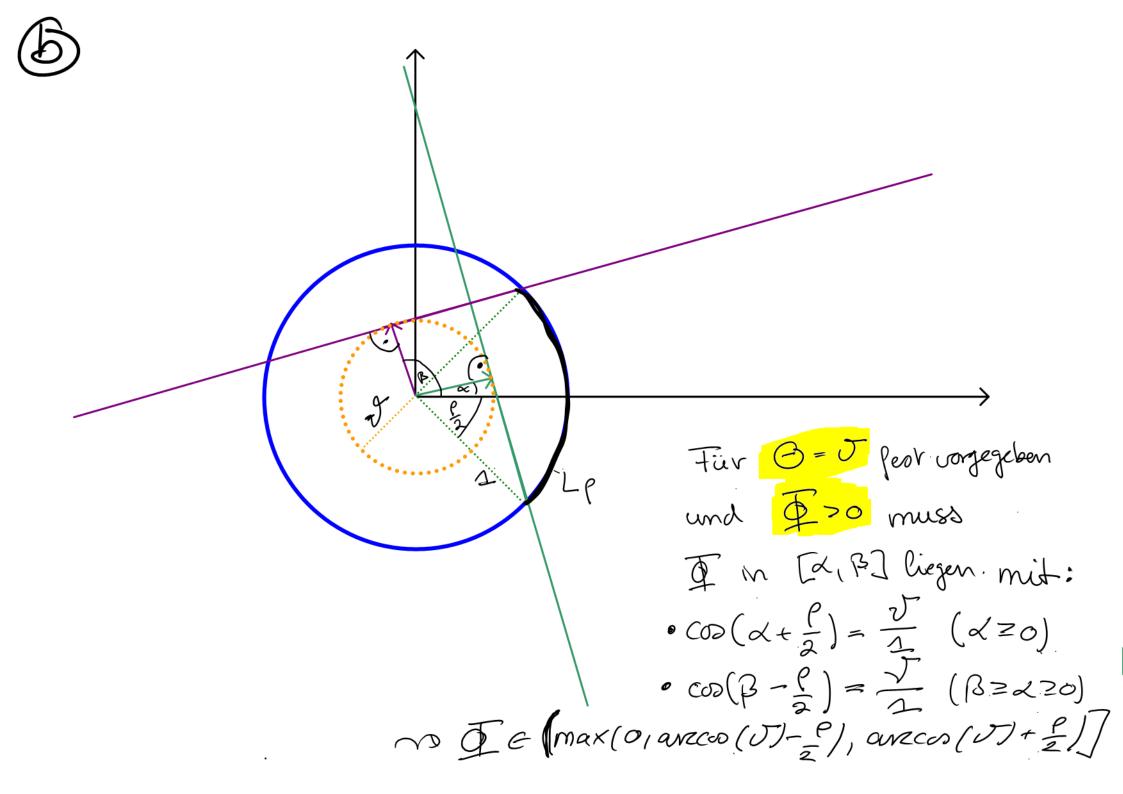
Soll gelben: Je fled de = 1 (und YxeR: f(x) ≥ 0) $dx = \frac{1}{1} \frac{1}{1 + \tan^2 \varphi} \frac{d\varphi}{\cos^2 \varphi}$ $dx = \frac{d\varphi}{\cos^2 \varphi} = \frac{1}{1} \frac{1}{1 + \tan^2 \varphi} \frac{d\varphi}{\cos^2 \varphi}$ $\int_{-\frac{T}{2}}^{\frac{T}{2}} \frac{1}{\cos^2 \varphi + \sin^2 \varphi} d\varphi = \int_{-\frac{T}{2}}^{\frac{T}{2}} d\varphi = T$ 8.2 r fest ous [0,00) D~Uni [0,2π) Orllin To, 27 (0,0) G(\$\overline{F}, \Overline{O})

@ $P_r [G(\Phi, O) \cap K_r \neq \phi] - P_r [O \leq r]$ = 1, falls $r \geq 1$, somet = $\int_0^r 1 \, dr = r$



$$\int_{CO(\frac{P}{2})}^{A} dx = \int_{CO(\frac{P}{2})}^{P} \times \sin x \, dx$$

$$\int_{CO(\frac{P}{2})}^{P} \int_{CO(\frac{P}{2})}^{P} \int_{CO(\frac{P}{2})}^{P} \times \sin x \, dx$$

$$= \left[- \times \cos x \right]_{0}^{\frac{P}{2}} + \int_{0}^{\frac{P}{2}} \cos x \, d$$

$$= -\frac{P}{2} \cos(\frac{P}{2}) + \sin(\frac{P}{2})$$

$$= -\frac{P}{2} \cos(\frac{P}{2}) + \sin(\frac{P}{2})$$

$$= \frac{P}{2} + \sin(\frac{P}{2})$$

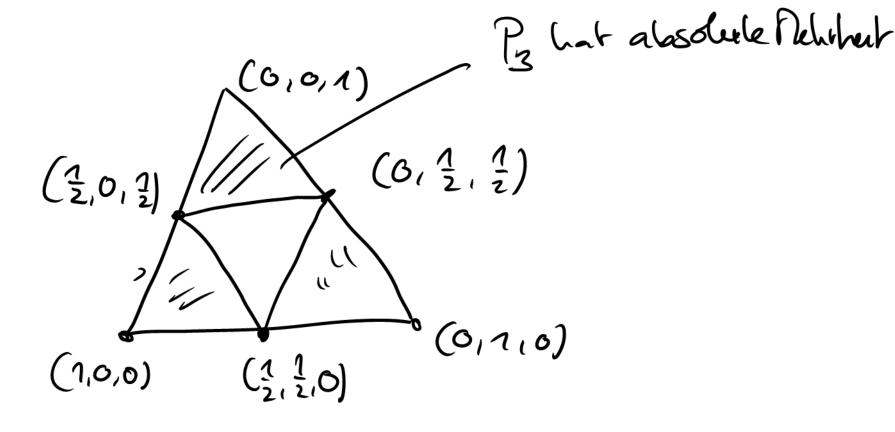
$$= \frac{P}{2} + \sin(\frac{P}{2})$$

$$= \frac{P}{2} + \sin(\frac{P}{2})$$

$$= \frac{P}{2} + \sin(\frac{P}{2})$$

Seidwiriges Dreich mit Kankenlänge
$$\sqrt{2}$$
 $\sqrt{2}$
 $\sqrt{2}$

W'beit für A:



4 gleichseitige Driecke net devoelben Hambhlänge

$$\Omega = 2(p_1, p_1, p_3, p_4) \in [0,1]^4 | Zp_i = 13$$

 $A:=2(p_1, p_4) \in \Omega | p_i = 1/2$

12: Te braeder

mit kanlen länge

(1,0,0,0) (0,0,0,0)

A1: $(0,0,0,\frac{1}{2})$ $(0,0,\frac{1}{2},0) \sim \text{lebraeder mit balber}$ $(0,0,\frac{1}{2},0) \sim \text{Kænlenlänge } \frac{\alpha}{2}$

Volumen eines Te hardens mit Kanlenlänge a:

$$\frac{12}{12}a^{3}$$

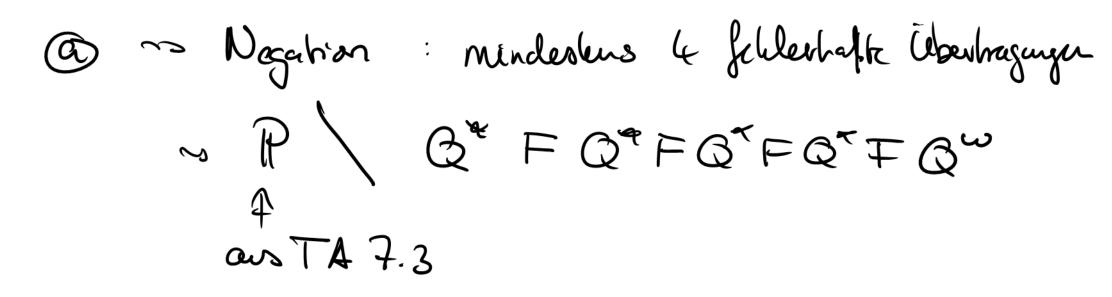
$$\frac{12}{12}\left(\frac{9}{2}\right)^{3}$$

$$\frac{2}{12}a^{3}$$

$$\frac{2}{12}a^{3}$$

as Pr[Anu Az UAz UAz UA4] = = 1/2 disjunder

8	-	4	
			_



6) SEine Überbregung hab die Form:

STI (VII)* (2+ F) S

No Wollen beure Über bragungen den Form

STIFS

P Q 877 FS