

$$A = 2\pi r = 2\pi$$

$$B = 2\pi R = 4\pi$$

$$\frac{A}{B} = \frac{2\pi}{4\pi} = \frac{1}{2}$$

$$A = \frac{1}{2}B \quad B = 2A$$

$$1 \text{ Zeit} = \frac{1 \text{ Strecke}}{1 \text{ Bewegung}}$$

$$A_{\text{zeit}} = \frac{1 \text{ Strecke}}{1 \text{ Bewg.}} = 1$$

$$B_{\text{zeit}} = \frac{2A}{1 \text{ Bewg.}} = 2$$

~~$$A_{\text{zeit}} = \frac{2A}{2A} = 1$$~~

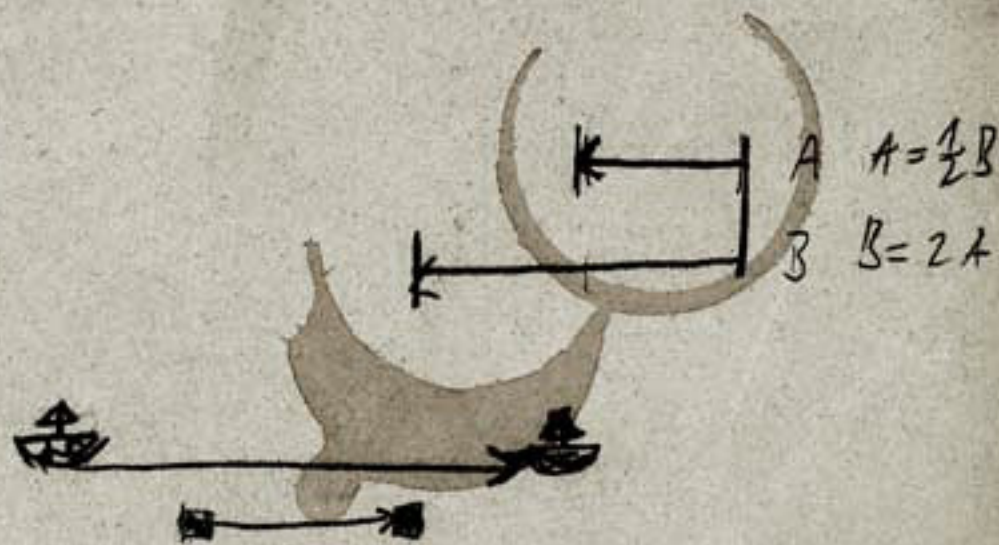
$$V_B = \frac{2A}{A_{\text{Tag}}} \Rightarrow A_{\text{Tag}} = \frac{2A}{V_B}$$

$$V_A = \frac{A}{A_{\text{Tag}}} \Rightarrow A_{\text{Tag}} = \frac{A}{V_A}$$

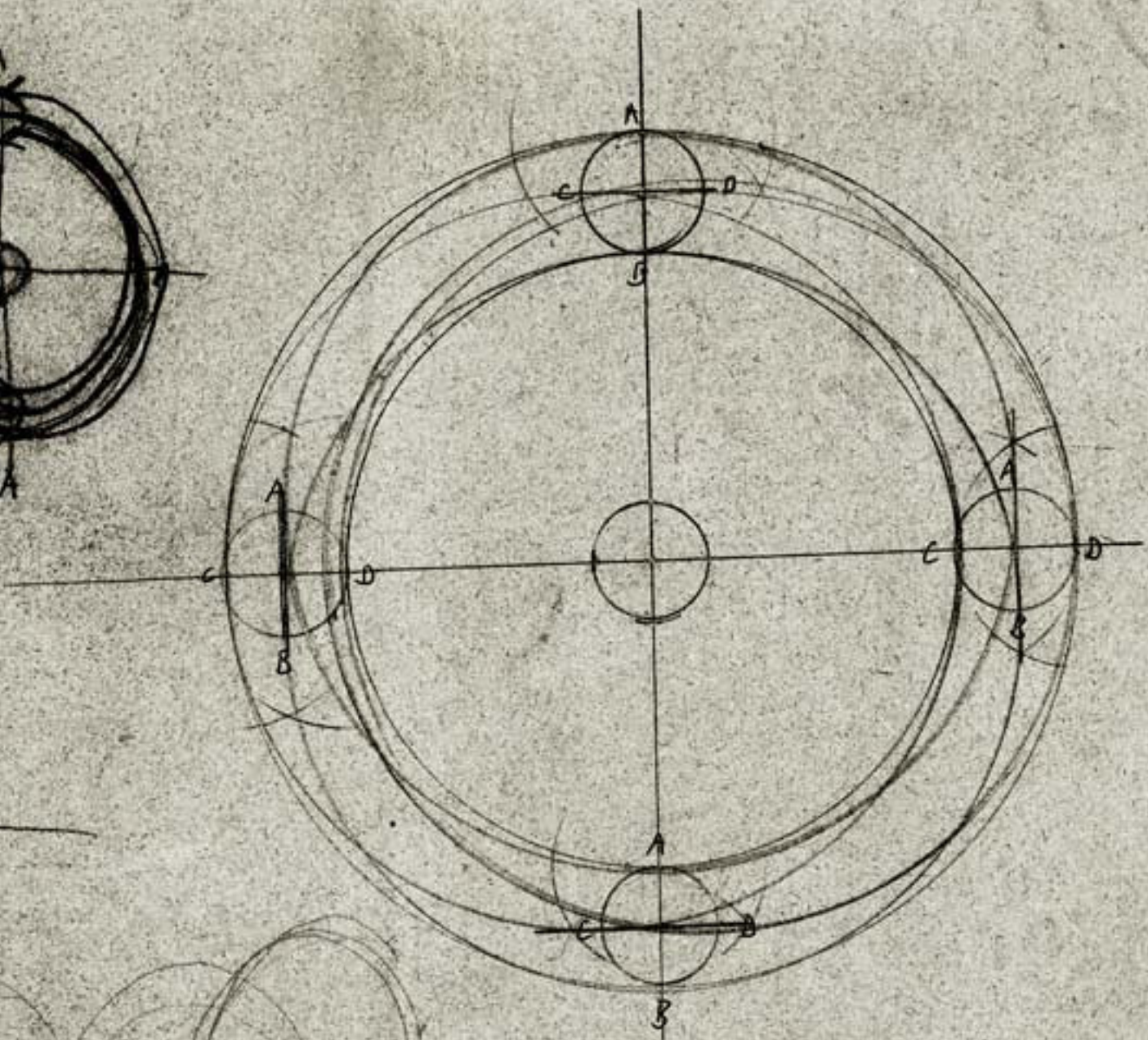
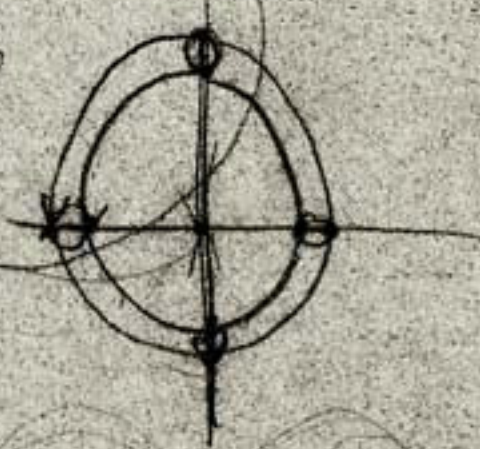
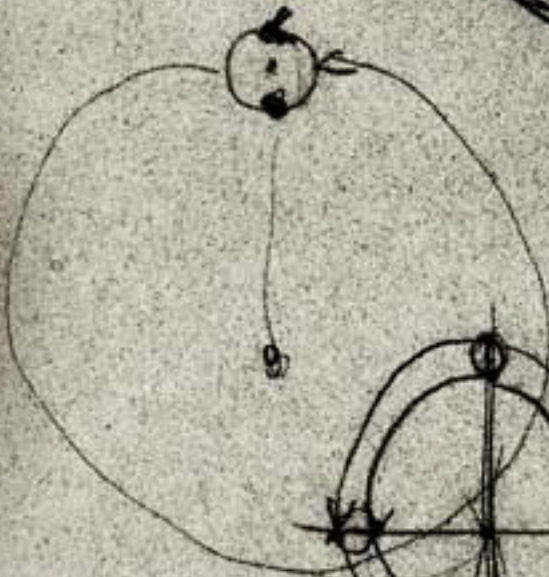
$$\frac{2A}{V_B} = \frac{A}{V_A} \Rightarrow \frac{2}{V_B} = \frac{1}{V_A}$$

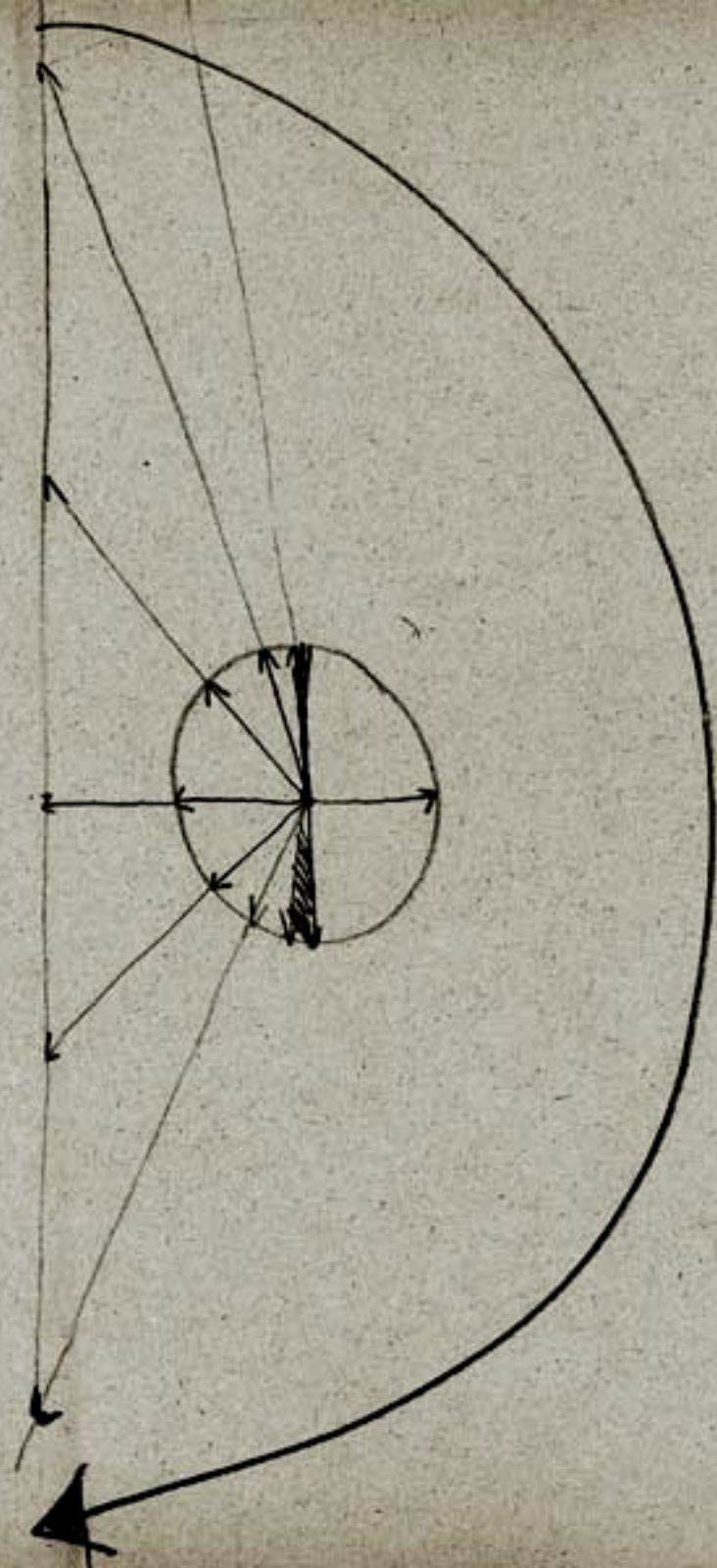
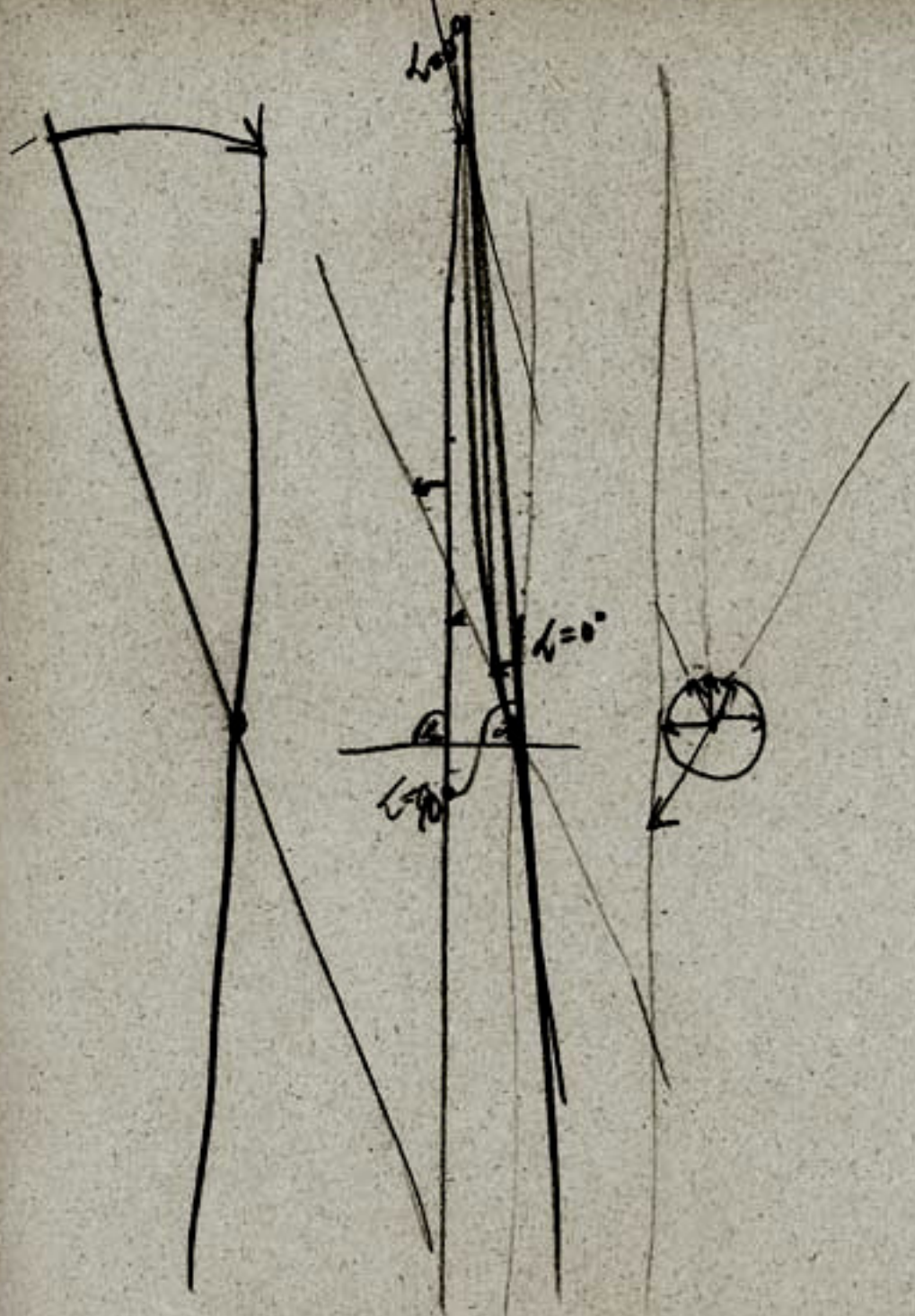
$$\frac{1}{2} V_B = V_A$$

$$V_B = 2V_A$$

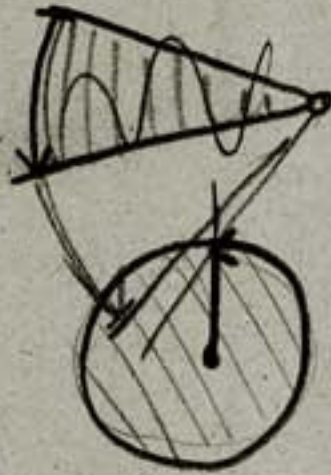


$v = \frac{1}{2} \sqrt{\frac{2g}{h}}$
 $t = \frac{2}{\sqrt{g}} \sqrt{h}$





$$1 \text{ sec} = \frac{1 \text{ cm}}{1 \text{ Bewegung}}$$



$$v = \frac{s}{t}$$

$$v = \frac{cm}{sec}$$

$$\frac{v}{t} = s$$

$$t = \frac{s}{v}$$

$$\Rightarrow sec = \frac{cm}{sec}$$

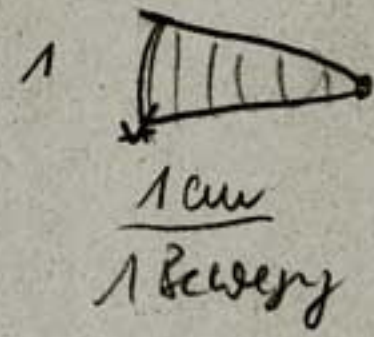
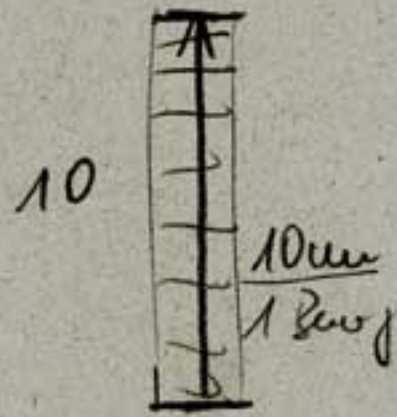
$$v = \frac{cm}{sec}$$

$$v =$$

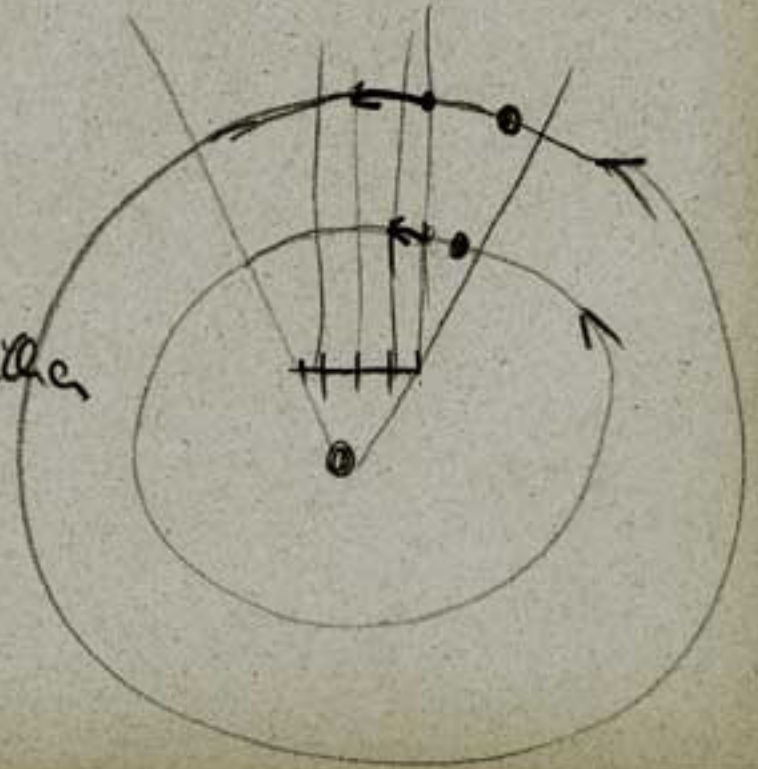
$$v = \frac{s}{t} \Rightarrow$$

$$v = \frac{cm}{sec}$$

I



Sehwindigkeit wird nur aus 2 versch. Bewegungen. Wären alle Bewegungen gleich schnell ablaufen

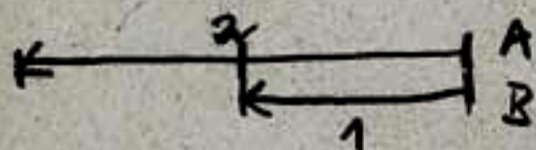


$$1 \text{ Tag} = \frac{1 \text{ Geländewort}}{1 \text{ Geländewort}}$$



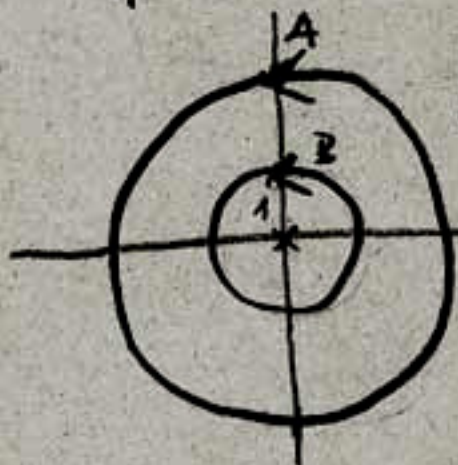
$$A = \frac{1 \text{ Tag}}{1} = 1 \frac{\text{Tag}}{\text{Tag}} = \frac{1}{8} A = 1 \frac{\text{Tag}}{\text{Tag}} A$$

$$B = \frac{1 A}{\frac{1}{8} A} = 8 \frac{\text{Tag}}{\text{Tag}} A$$



$$B \frac{2\pi \cdot 1}{1} = 2\pi \quad B=1$$

$$A \frac{2\pi \cdot 2}{1 \cdot 2} = 4\pi \quad A=2$$



~~over~~

$$3 \mid \frac{1}{13} = 1$$

$$B \mid \frac{1}{13} = 12 \text{ Tag}$$

$$A \mid \frac{2}{13} = 2$$

$$A \mid \frac{2B}{1B} = 2 \text{ Tag}$$

$$v = \frac{s}{t}$$

$$t = \frac{s}{v}$$

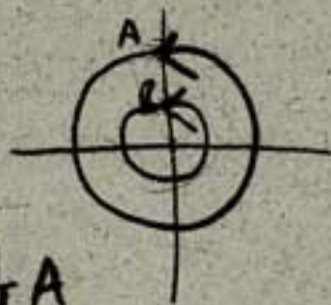
$$v_A = \frac{2}{1} = 2$$

$$vt = s$$

$$v_B = \frac{1}{1} = 1$$

$$v_B A_{\text{Tag}} = 2A$$

$$A_{\text{Tag}} = \frac{2A}{v_B}$$



$$B = \frac{1}{2}A$$

$$A = 2B$$

$$A \sim 2B \sim \pi$$

$$A - B = A - \frac{1}{2}A = \frac{1}{2}A$$

$$B - A = \frac{1}{2}A - A = -\frac{1}{2}A$$

1 periodische Bewegung

$$1 \text{ Dauer} = \frac{1 \text{ periodische Bewegung}}{\text{Strecke}}$$

$$1 \text{ Dauer} = 1 \text{ periodische Bewegung} \cdot \text{Strecke}$$

$$1 \text{ Tag} = 1 \text{ period. Bewegung}$$

1 period. Bewegung A ist die von A durchmessene Strecke in der Periode

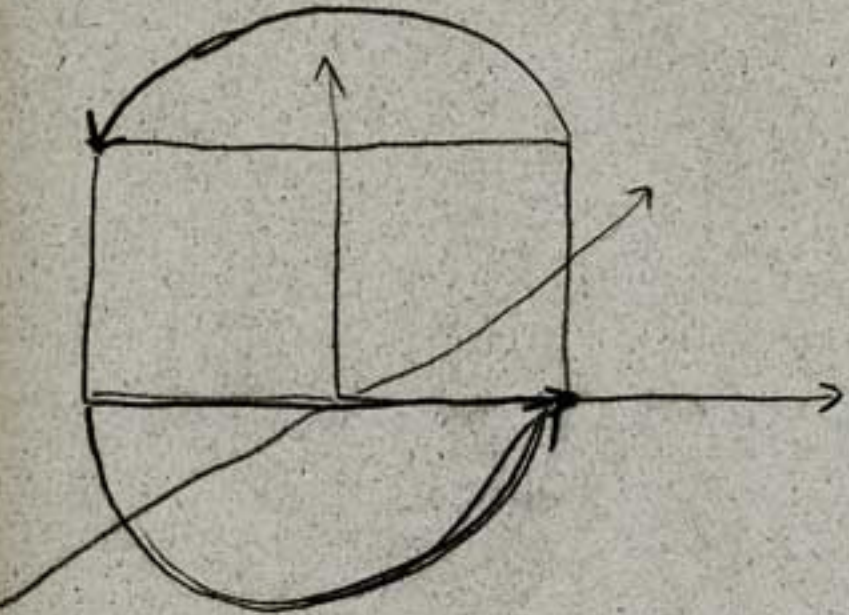
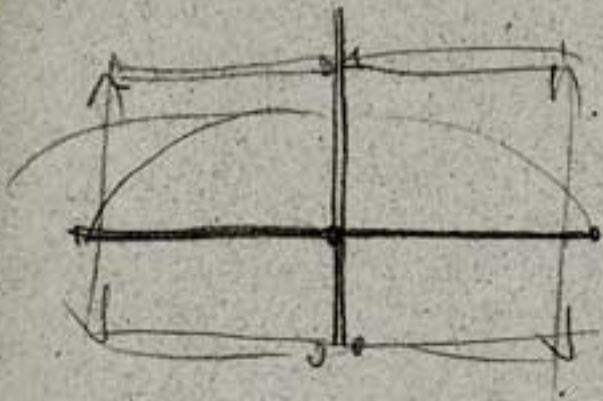
1 period. Bewegung B " " B " " " " " " " " " " " "

$$1 \text{ period. Bewegung A} = A$$

$$1 \text{ period. Bewegung A} = 2 \text{ period. Bewegung B}$$

$$1 \text{ period. Bewegung B} = \frac{1}{2}A$$

die Differenz ^{Winkelgeschwindigkeit} der Strecken während einer p. Bew. ergibt die Geschw.



Frage wie Blickrichtung oder
Perspektive

←→
Kristalle

