$$\begin{aligned}
& \left(1 - \frac{4D\tau}{h^2} \sin^2 \frac{\varphi}{2}\right)^2 + \frac{a^2\tau^2}{h^2} \sin^2 \varphi \leq 1 \\
& \left(1 - \frac{8D\tau}{h^2} \sin^2 \frac{\varphi}{2}\right)^2 + \frac{a^2\tau^2}{h^2} \sin^2 \varphi \leq 1 \\
& \left(1 - \frac{8D\tau}{h^2} \sin^2 \frac{\varphi}{2}\right)^2 + \frac{16D^2\tau}{h^2} \sin^2 \frac{\varphi}{2} + \frac{a^2\tau}{h^2} \sin^2 \frac{\varphi}{2} \leq 1 \\
& \sin^2 \frac{\varphi}{2} = m^2 =) \sin^2 \varphi = 4 \sin^2 \frac{\varphi}{2} \left(1 - \sin^2 \frac{\varphi}{2}\right) = 4 \sin^2 \left(1 - m^2\right) \\
& \frac{16D^2\tau}{h^2} m^2 + 4 \cos^2 \tau m^2 \left(1 - m^2\right) - 8Dm^2 \leq 0 \\
& \frac{4D^2\tau}{h^2} m^2 + a^2\tau - a^2\tau m^2 \leq 2D - a^2\tau \\
& \left(\frac{4D^2\tau}{h^2} - a^2\tau\right) m^2 \leq 2D - a^2\tau
\end{aligned}$$

1)
$$\frac{49^{2}7}{h^{2}} > a^{2}t \iff 49^{2} > a^{2}l^{2}$$
 $m^{2} \le \frac{29 - a^{2}t}{42^{2} - a^{2}t}$
 $m^{2} = \sin^{2}\frac{1}{2} = 1 \implies \frac{29 - a^{2}t}{42^{2}t} - a^{2}t$
 $29^{2}t > 1$
 $29^{2}t < 1$
 $29^{2}t$

Umoro, y cubul y emotivubolum! $\begin{bmatrix}
\frac{297}{h^2} \le 1 \\
49^2 > a^2h^2
\end{bmatrix}$ $\begin{bmatrix}
\frac{a7}{h} \le 1 \\
49^2 \le a^2h^2
\end{bmatrix}$