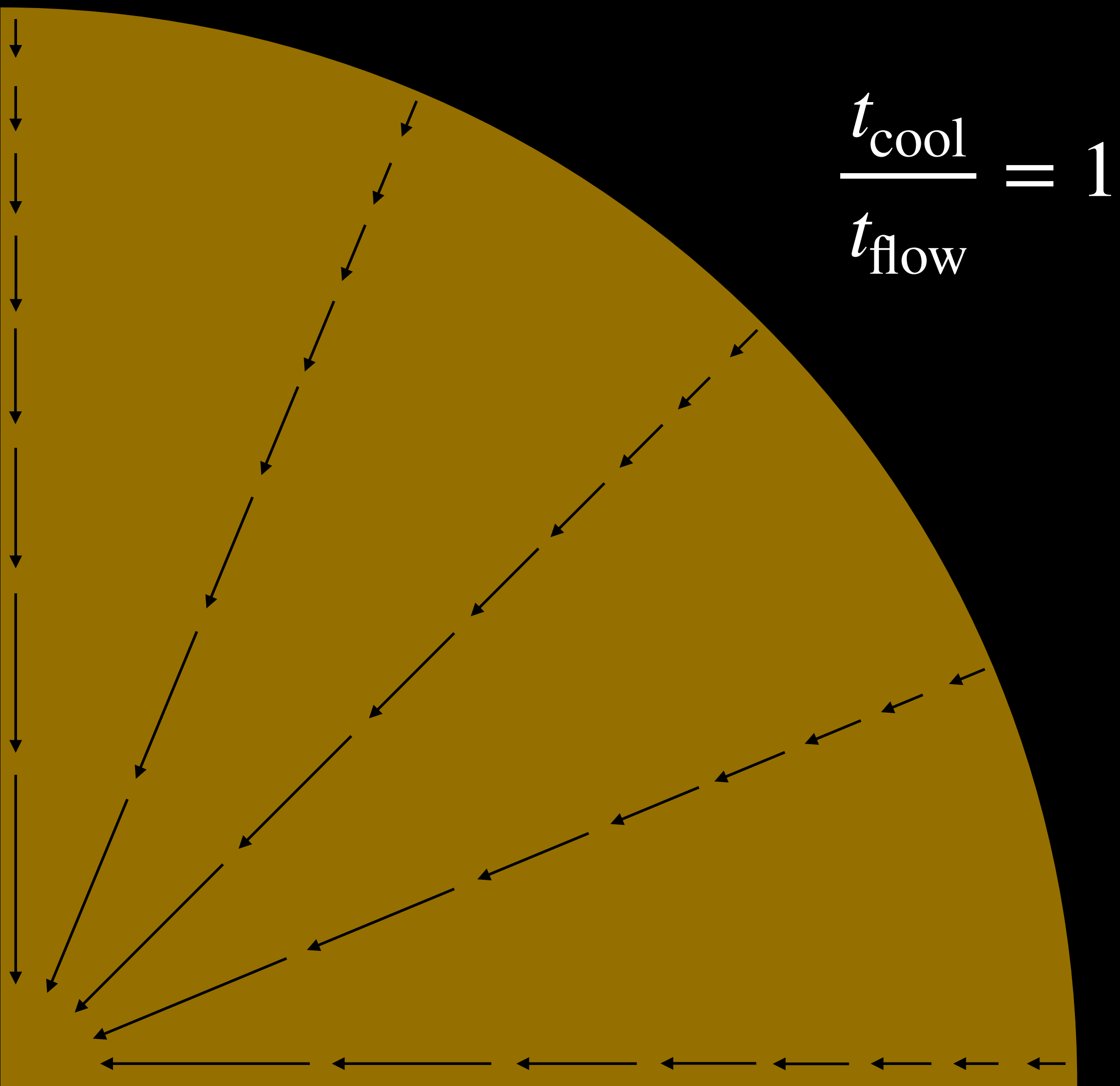


# thermally instability

*cooling flow*

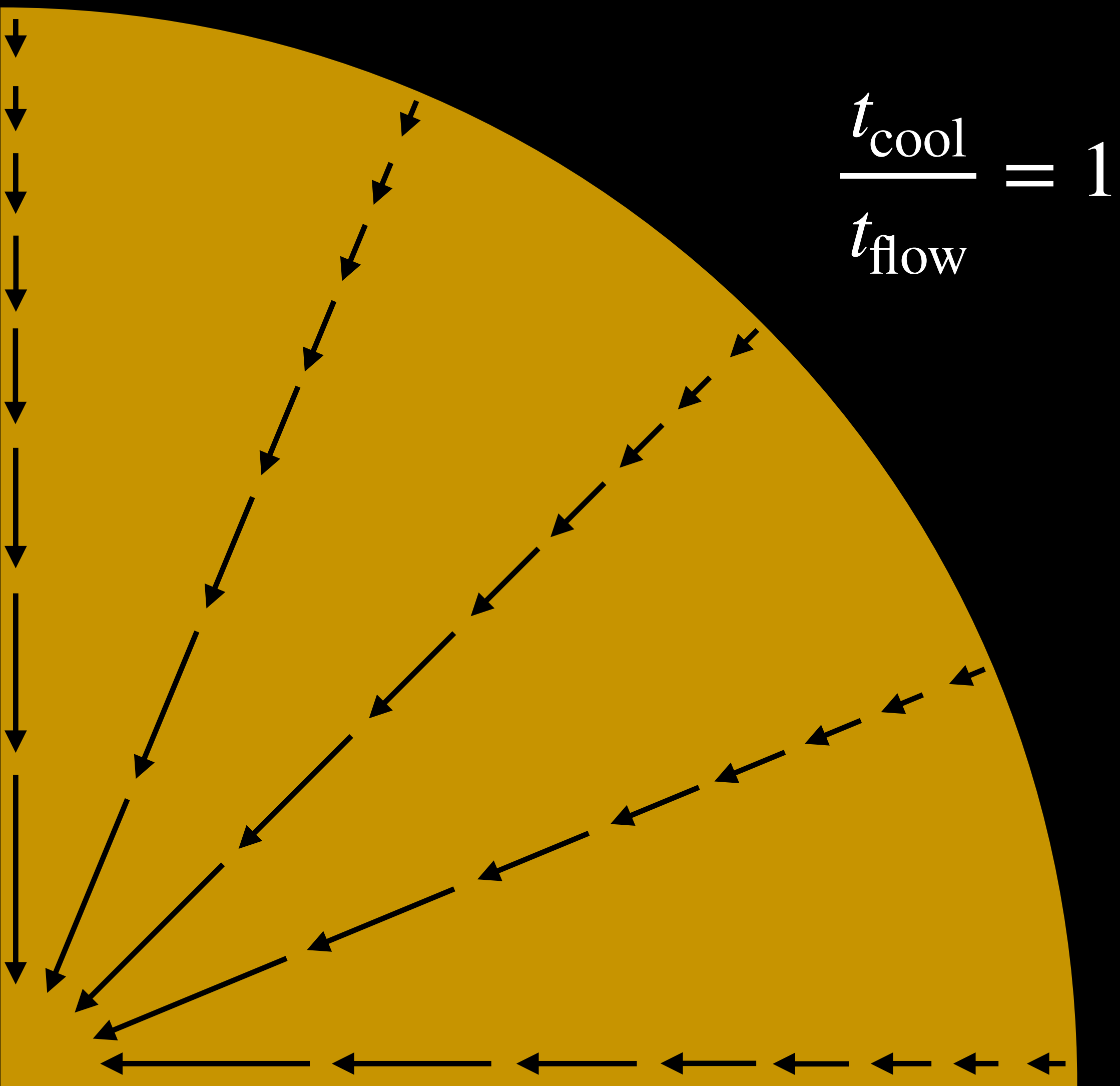


$$\frac{t_{\text{cool}}}{t_{\text{flow}}} = 1$$

compression  
compensates  
for cooling

# thermally instability

*cooling flow*



faster *cooling*  
leads to more  
rapid *inflows*