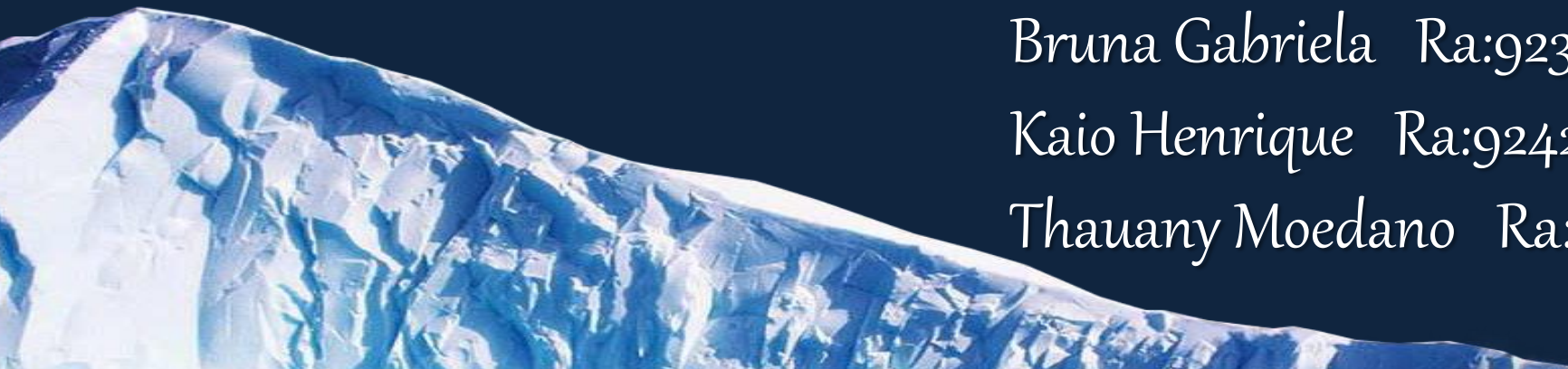
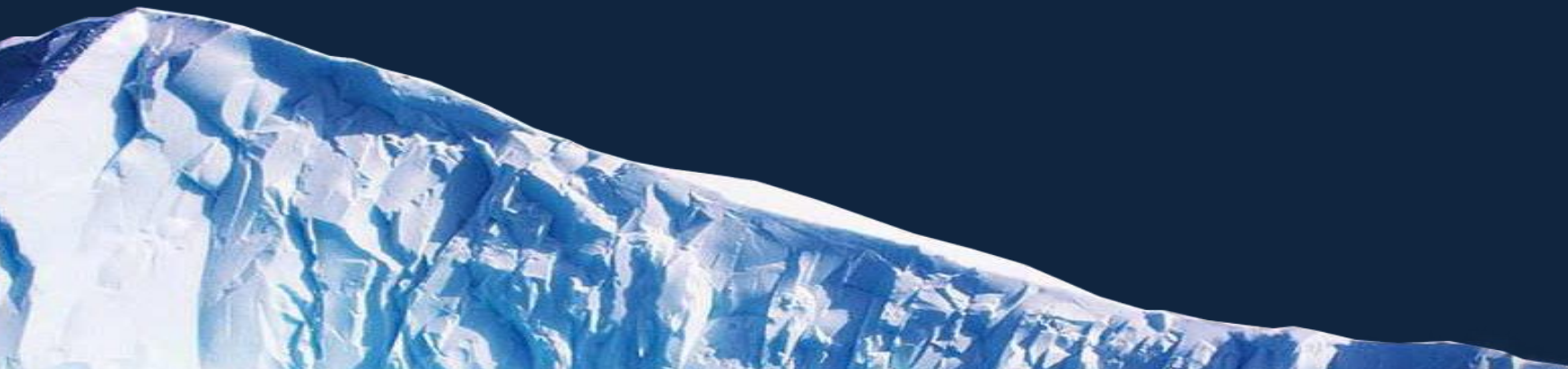
Redes tróficas nos Polos

Bruna Gabriela Ra:92380
Kaio Henrique Ra:92420
Thauany Moedano Ra: 92486

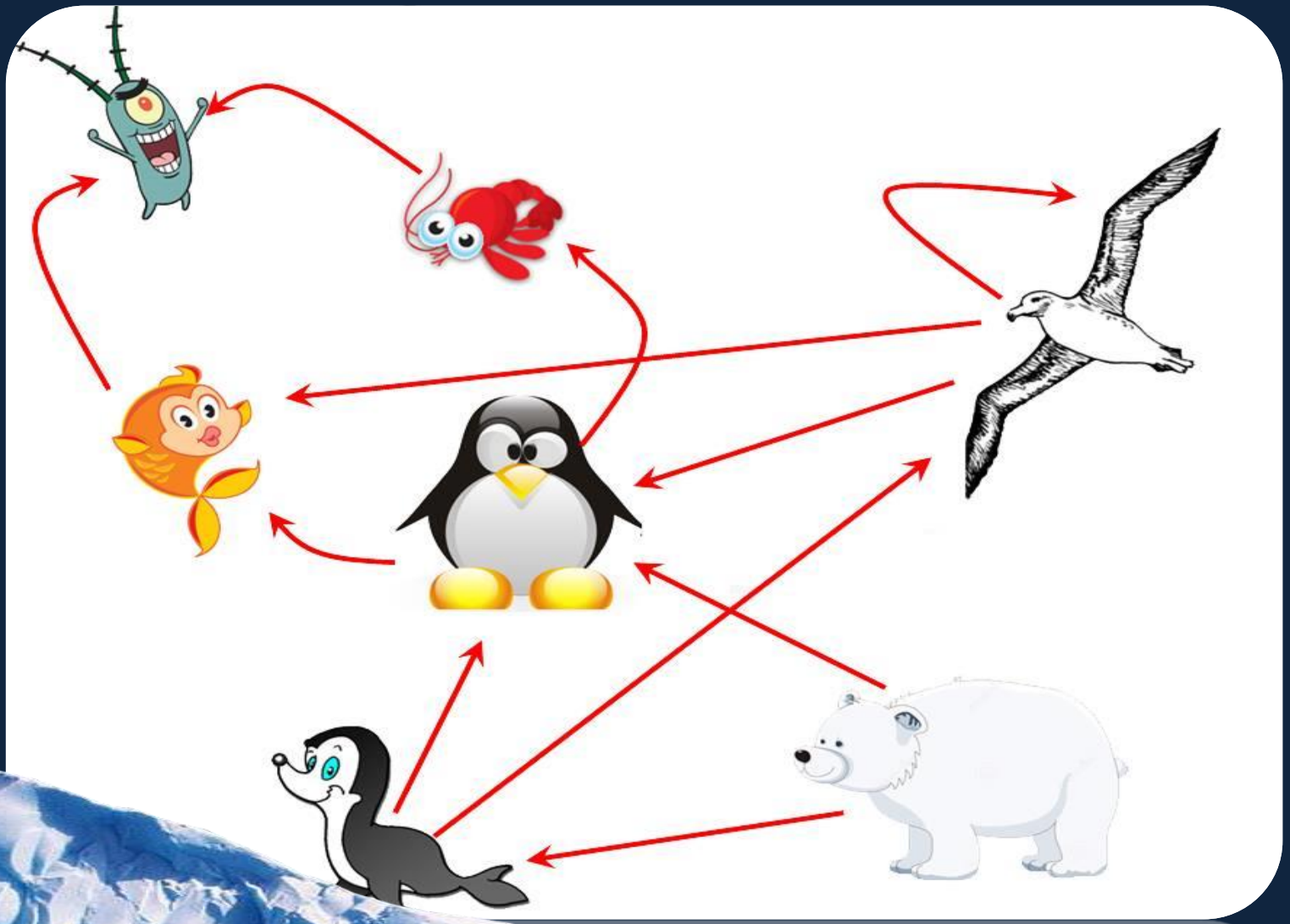


Polos

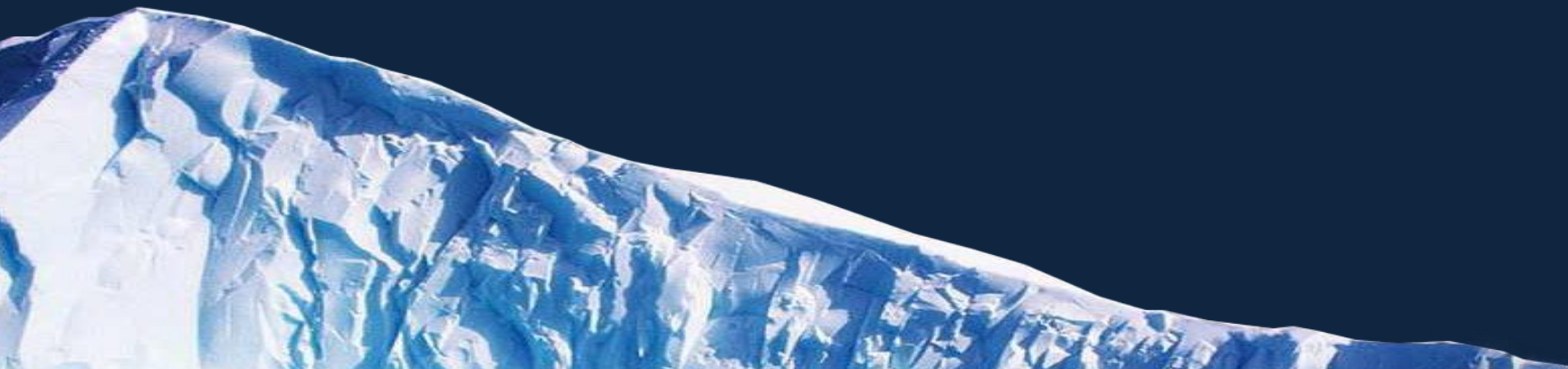
Introdução & motivação



Rede trófica



Equações



$$\Delta I = I(\gamma_7 \cdot P + \gamma_8 \cdot R - \gamma_9 \cdot F - \gamma_{10} \cdot U - \gamma_{11} \cdot A) \cdot \Delta X$$

$$\Delta F = F(\gamma_{12} \cdot I + \gamma_{13} \cdot A - \gamma_{14} \cdot U) \cdot \Delta X$$

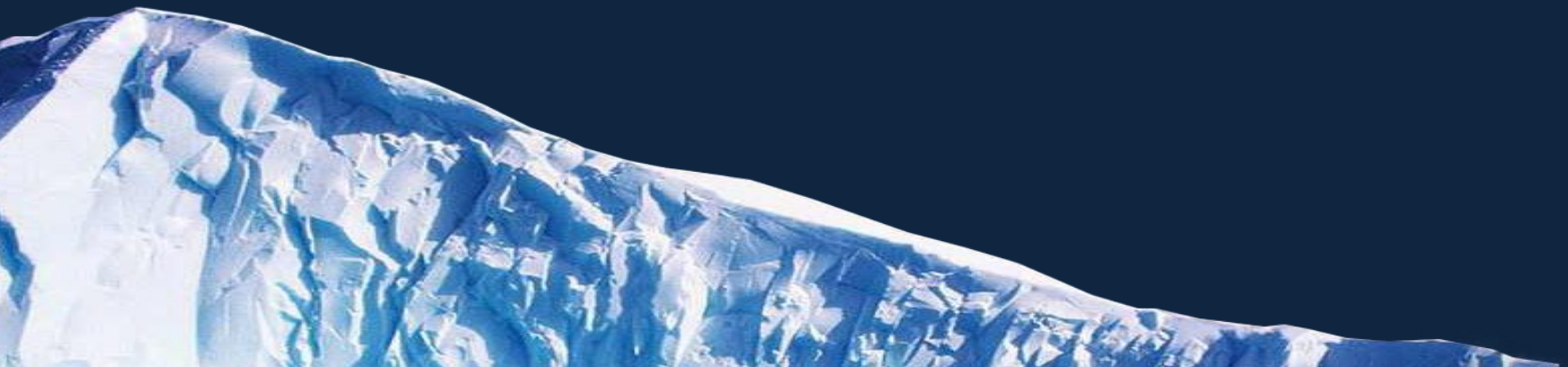
$$\Delta A = A(\gamma_{15} \cdot I + \gamma_{16} \cdot A + \gamma_{17} \cdot I - \gamma_{18} \cdot F - \gamma_{19} \cdot U) \cdot \Delta X$$

$$\Delta U = U(\gamma_{20} \cdot F + \gamma_{21} \cdot I - \rho) \cdot \Delta X$$

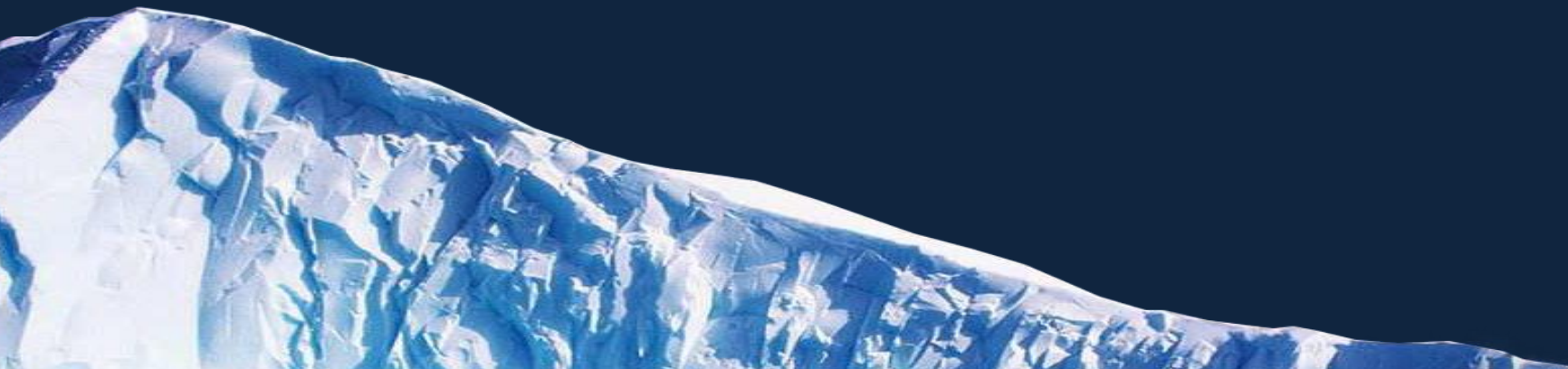
$$\Delta N = N(S - \frac{S \cdot N}{\kappa} - \gamma_0 \cdot R - \gamma_1 \cdot P - \omega) \cdot \Delta X$$

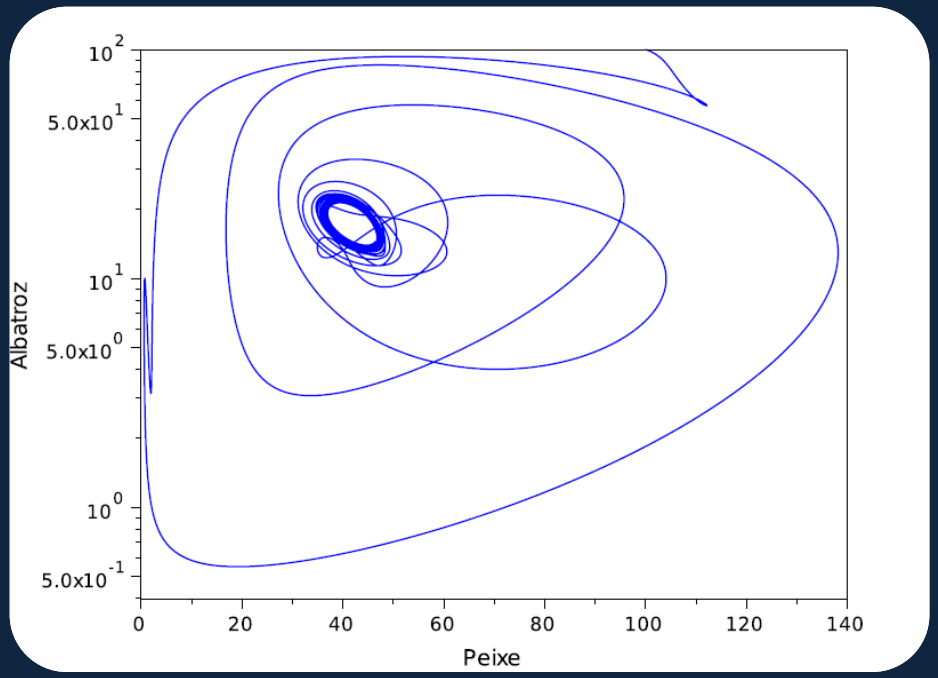
$$\Delta R = R(\gamma_2 \cdot N - \gamma_3 \cdot I) \cdot \Delta X$$

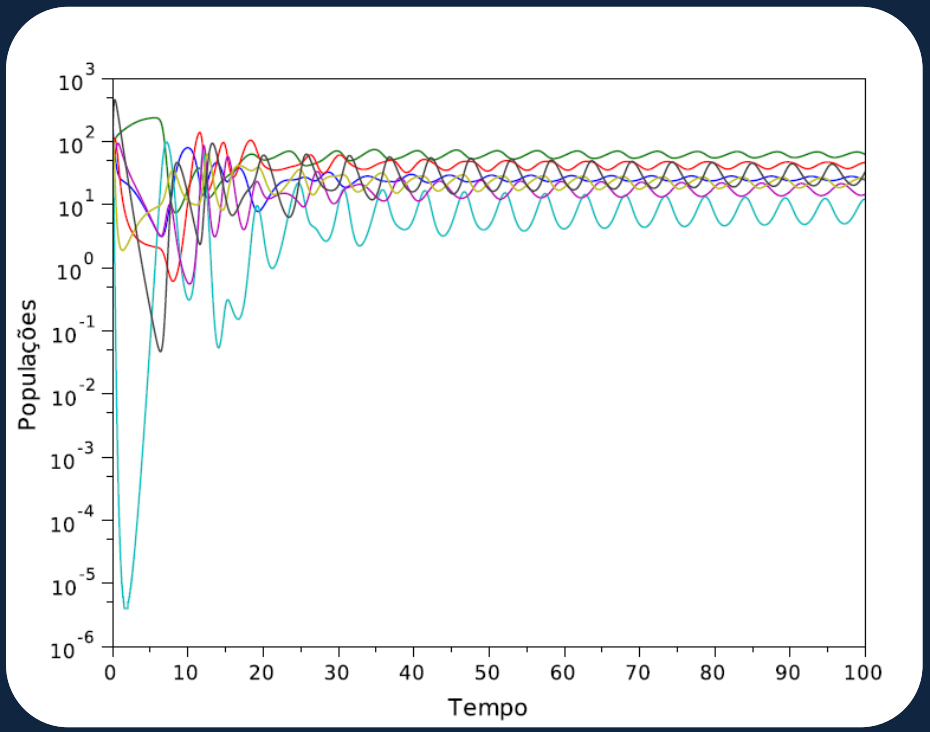
$$\Delta P = P(\gamma_4 \cdot N - \gamma_5 \cdot I - \gamma_6 \cdot A) \cdot \Delta X$$



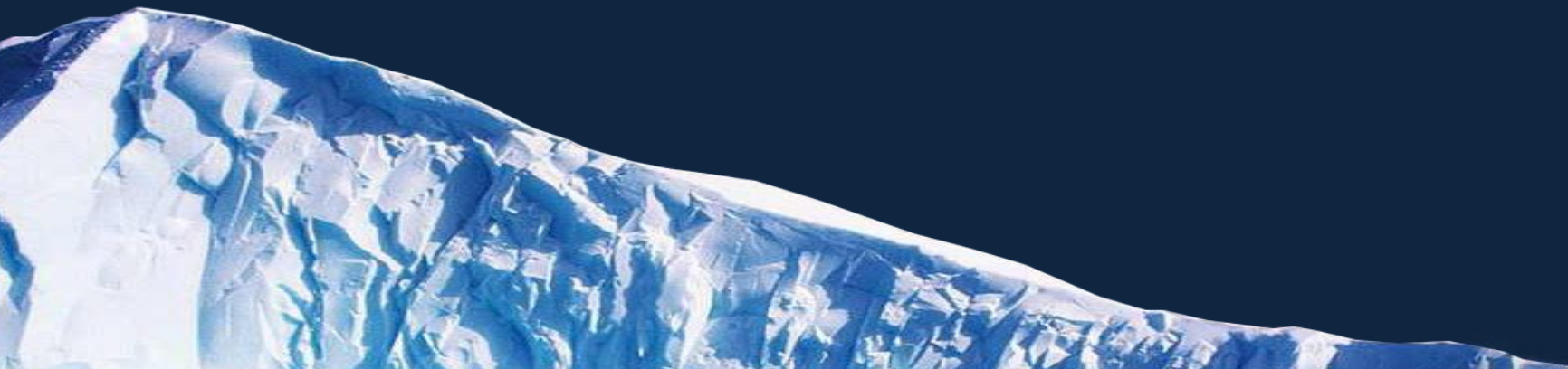
Equilíbrio



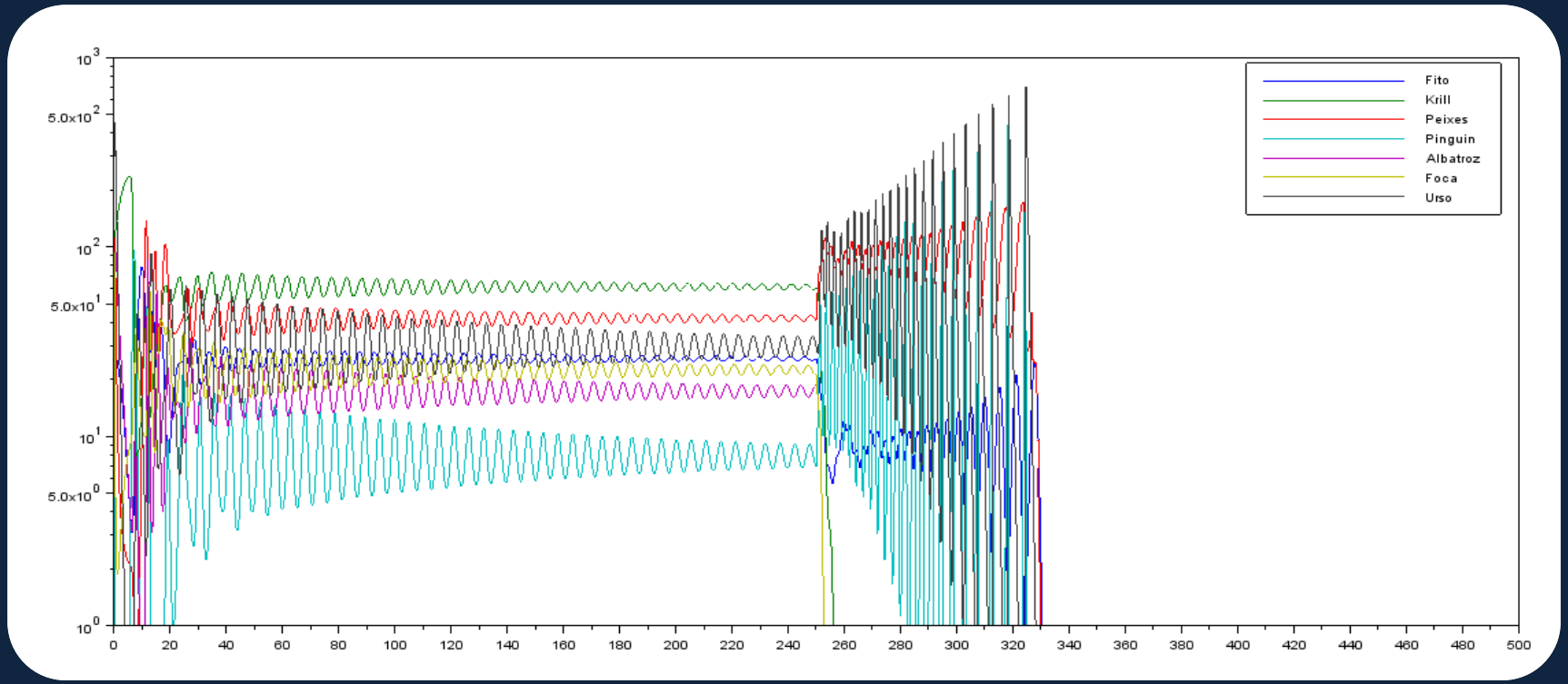

Albatroz
Peixe
10^2
$5.0x10^1$
10^1
$5.0x10^0$
10^0
$5.0x10^{-1}$
0
20
40
60
80
100
120
140

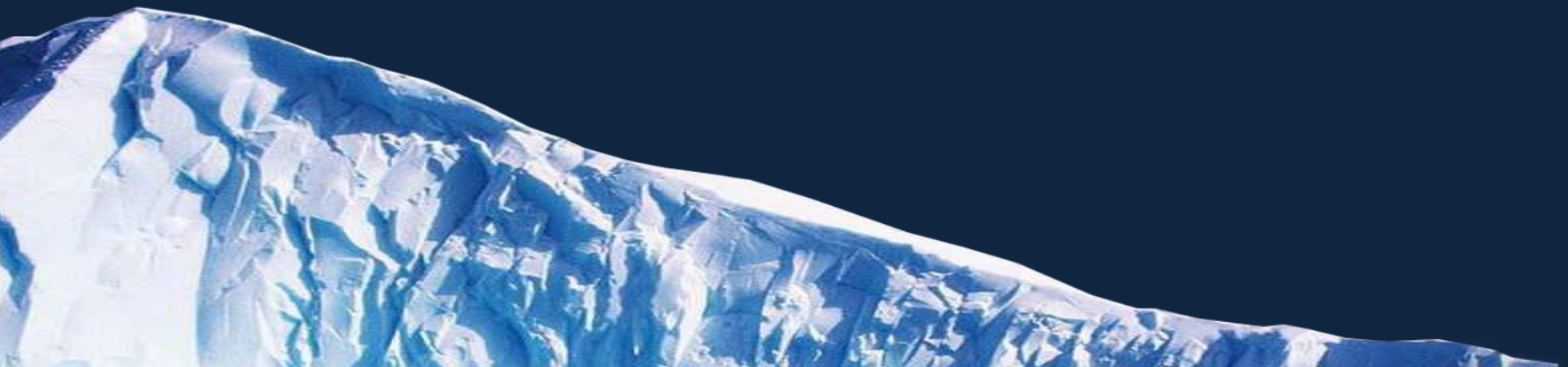

Populações
Tempo
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
0
10
20
30
40
50
60
70
80
90
100

Analises

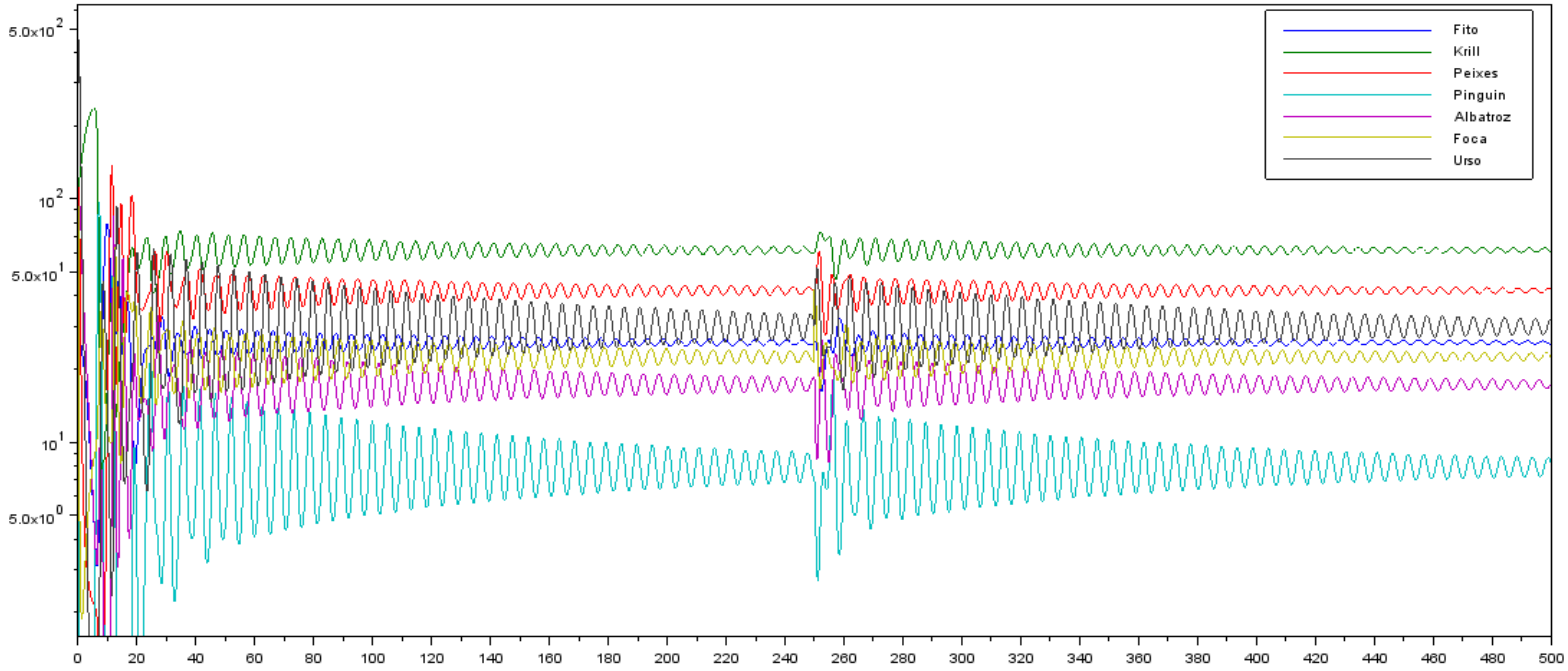


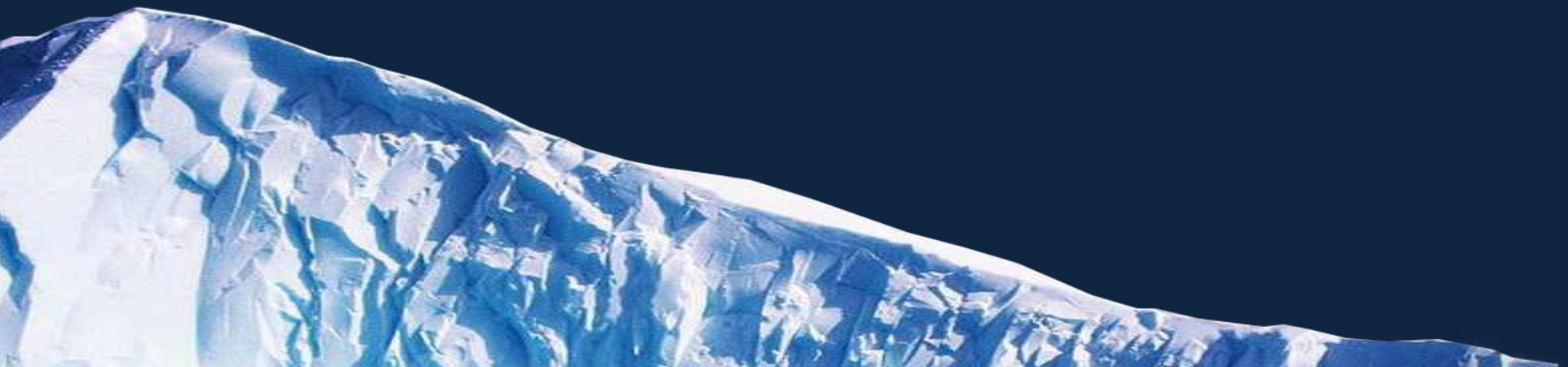
Albatrozes extintos



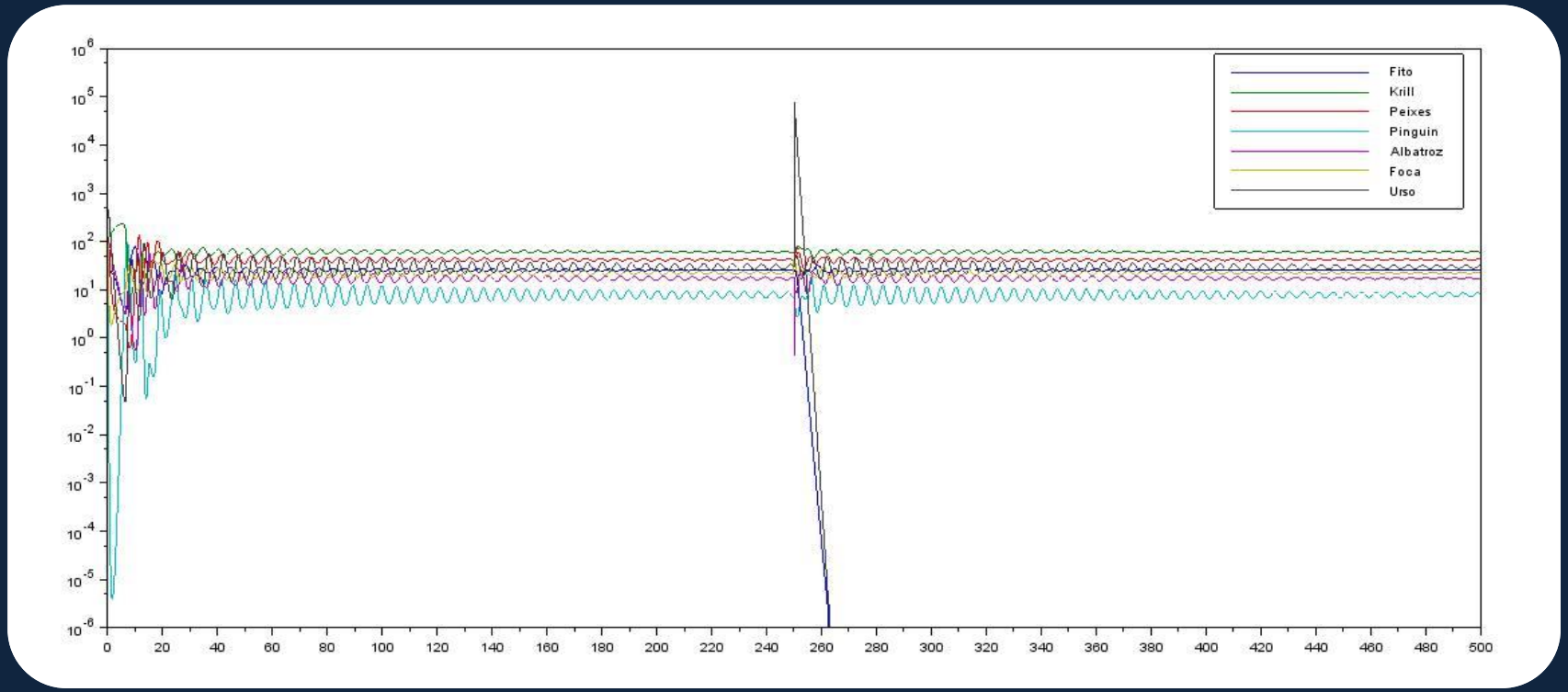


Focas em dobro

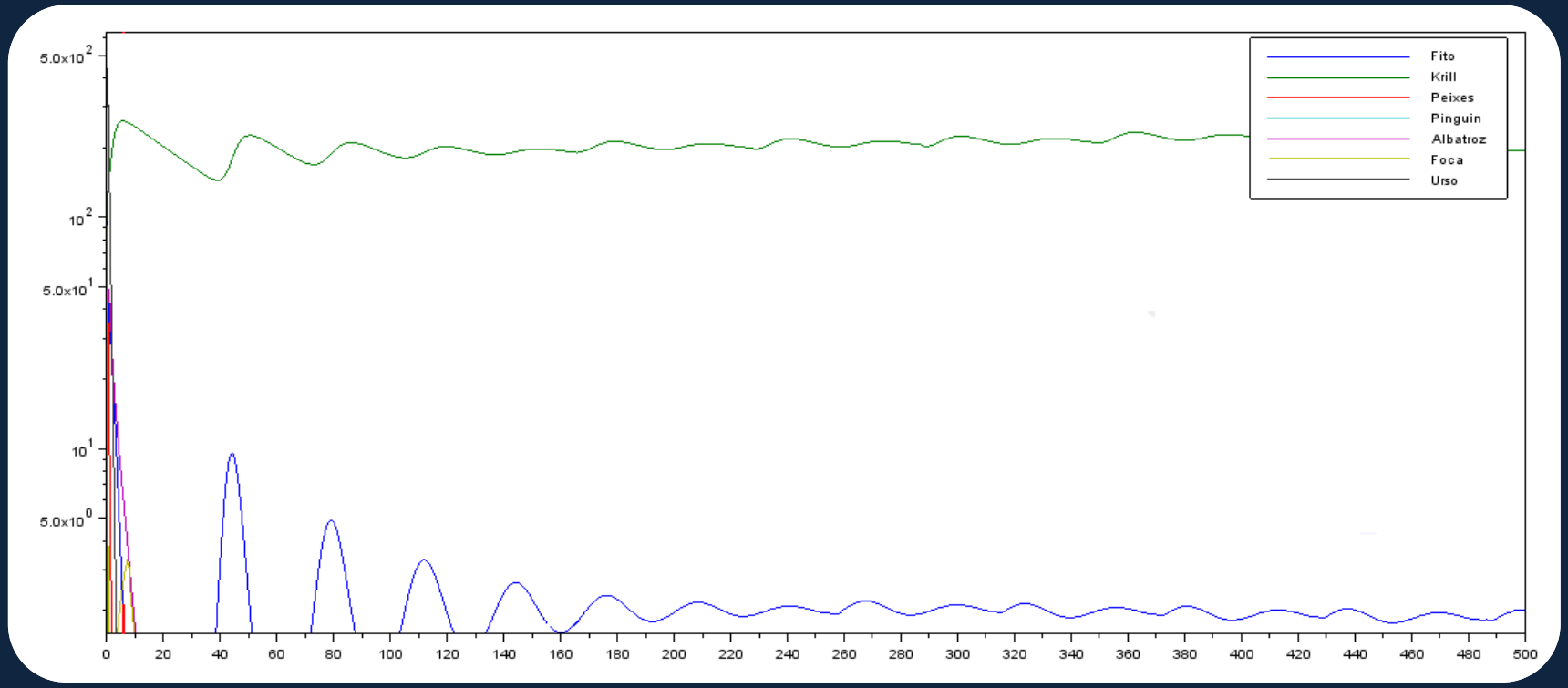


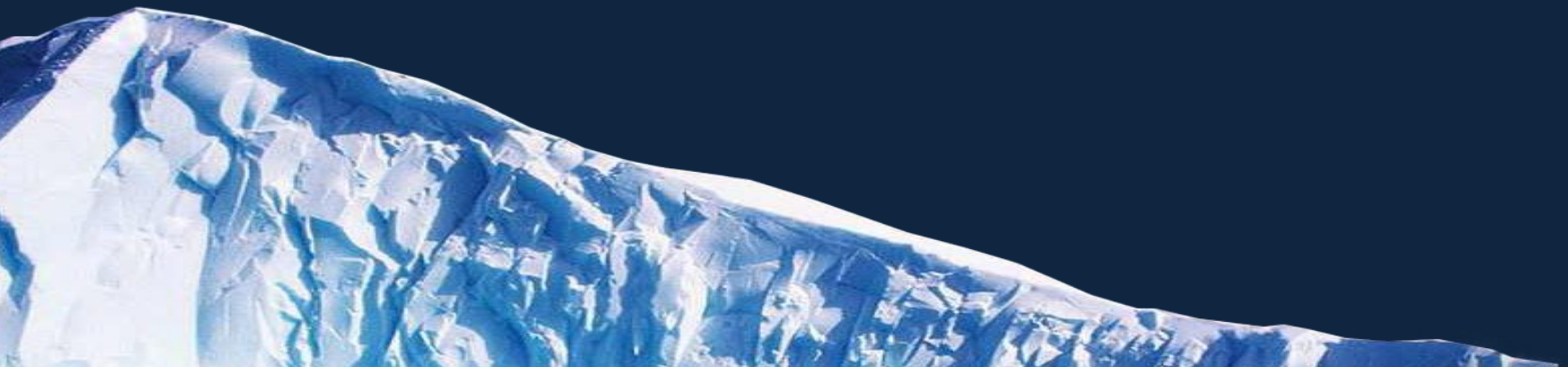


Foca aumento descontrolado

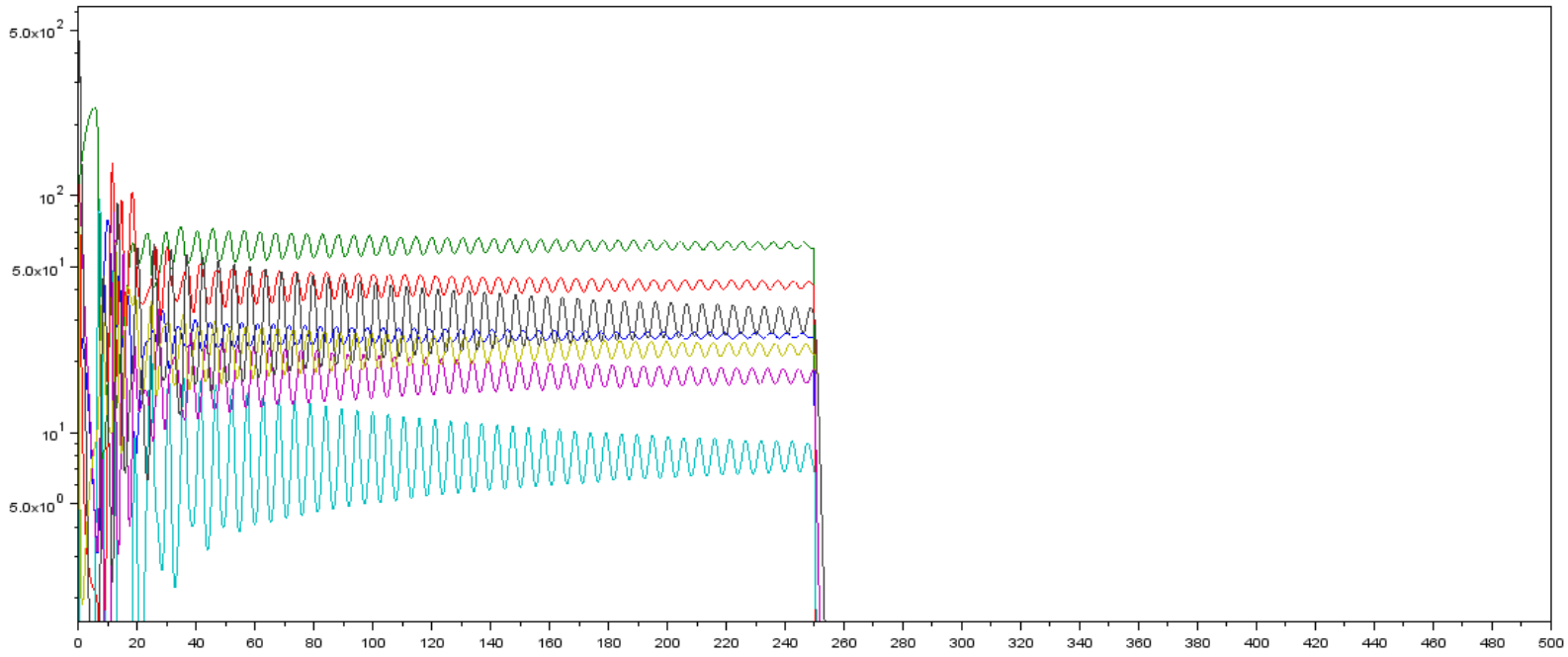


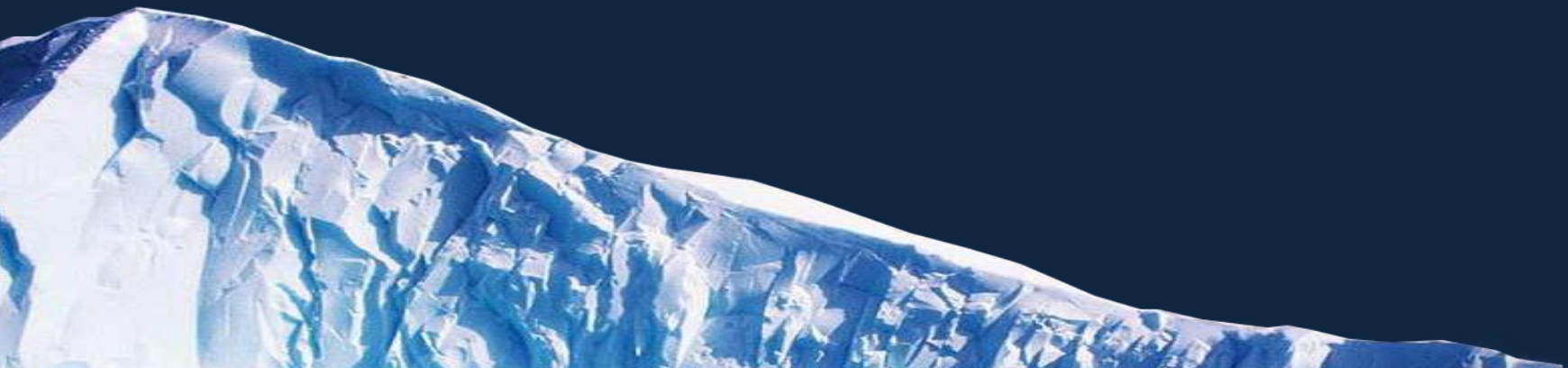
Caça de peixes



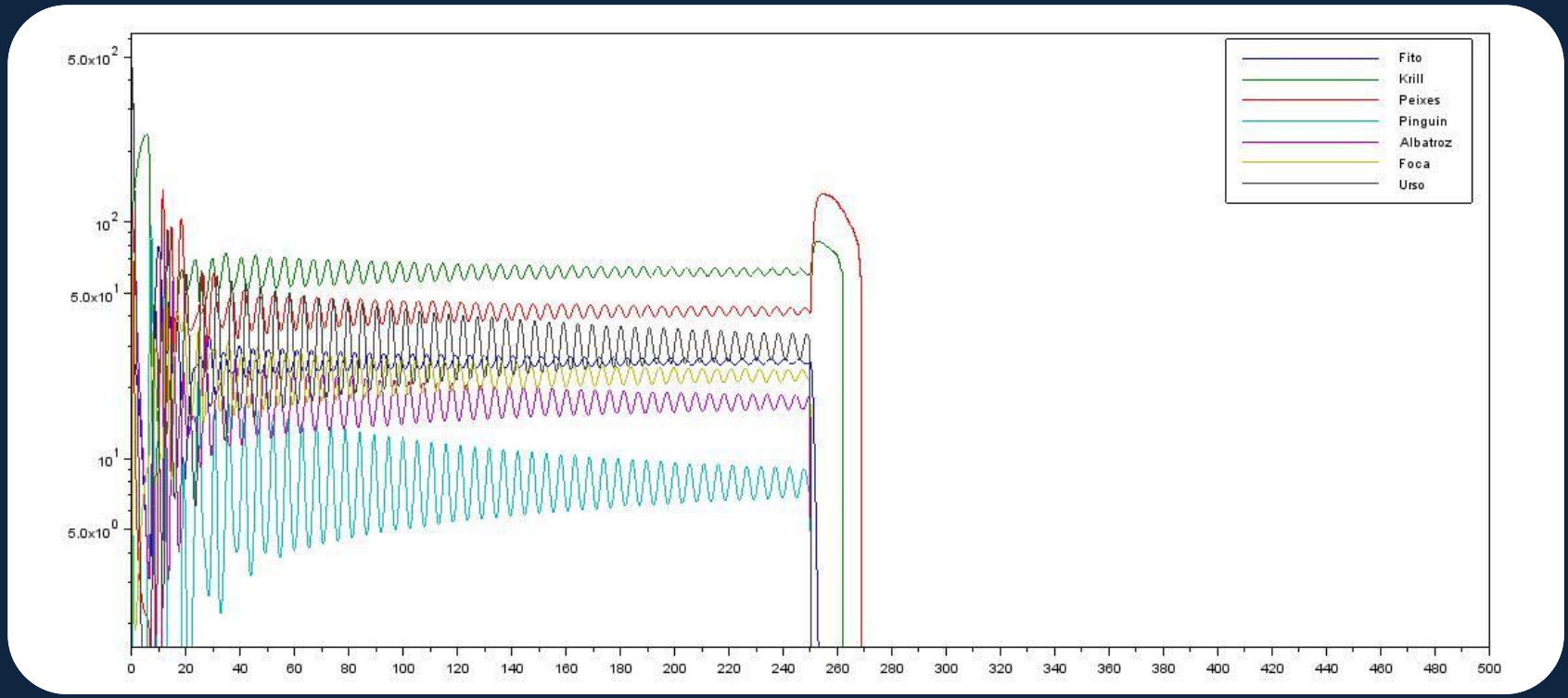


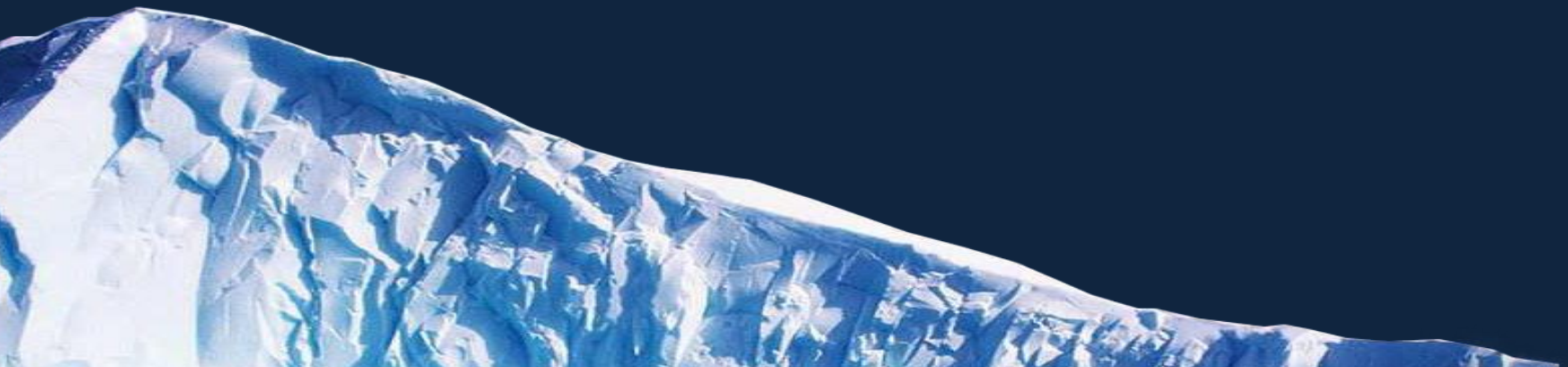
Poluição do Mar





Poluição da terra





Conclusão