



Desorption energy rule of thumb for ices of astrophysical interest

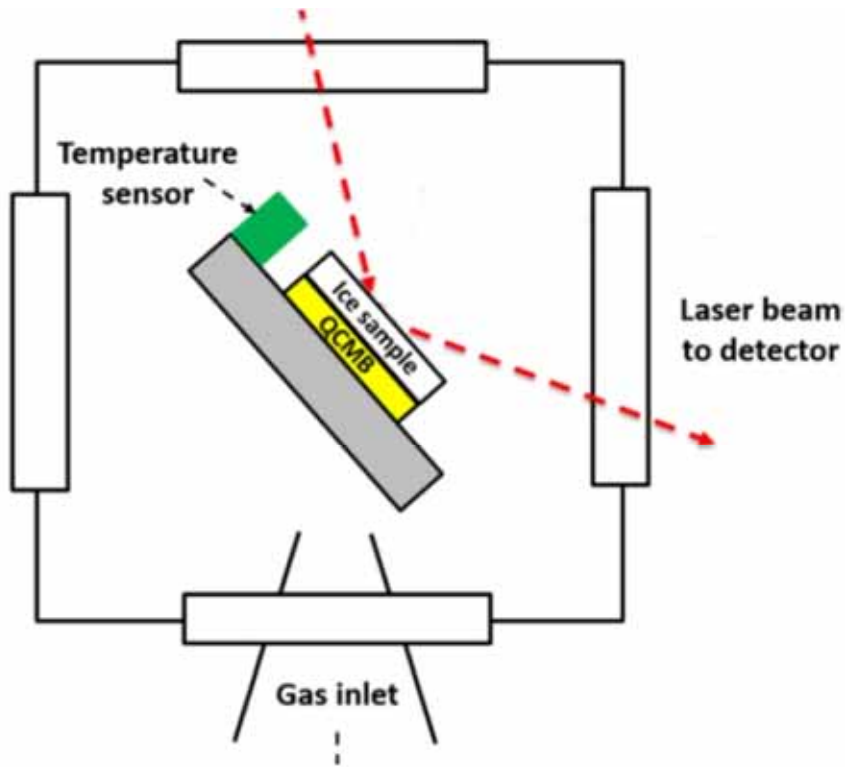
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¹Centro de Astrobiología, INTA-CSIC, Carretera de Ajalvir, km 4, Torrejón de Ardoz, 28850, Madrid, Spain.

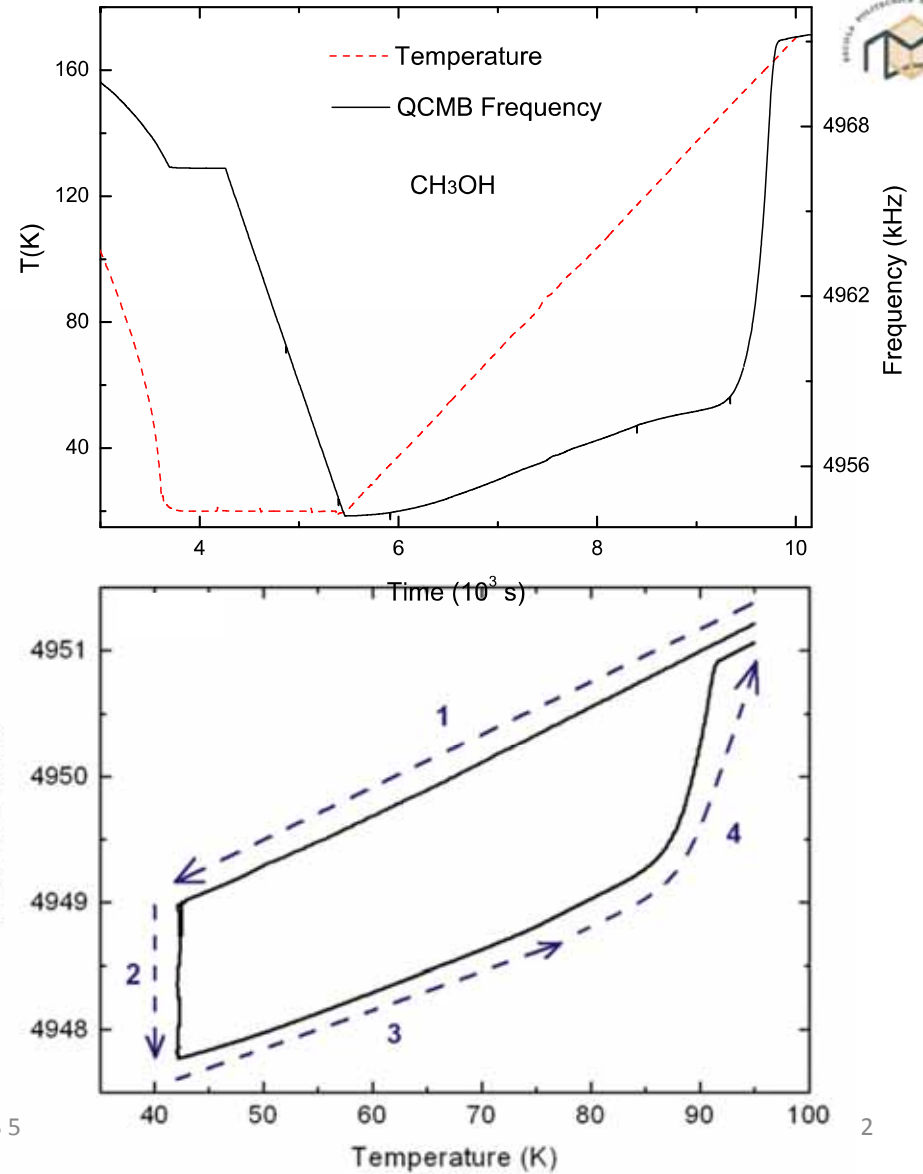


Los experimentos



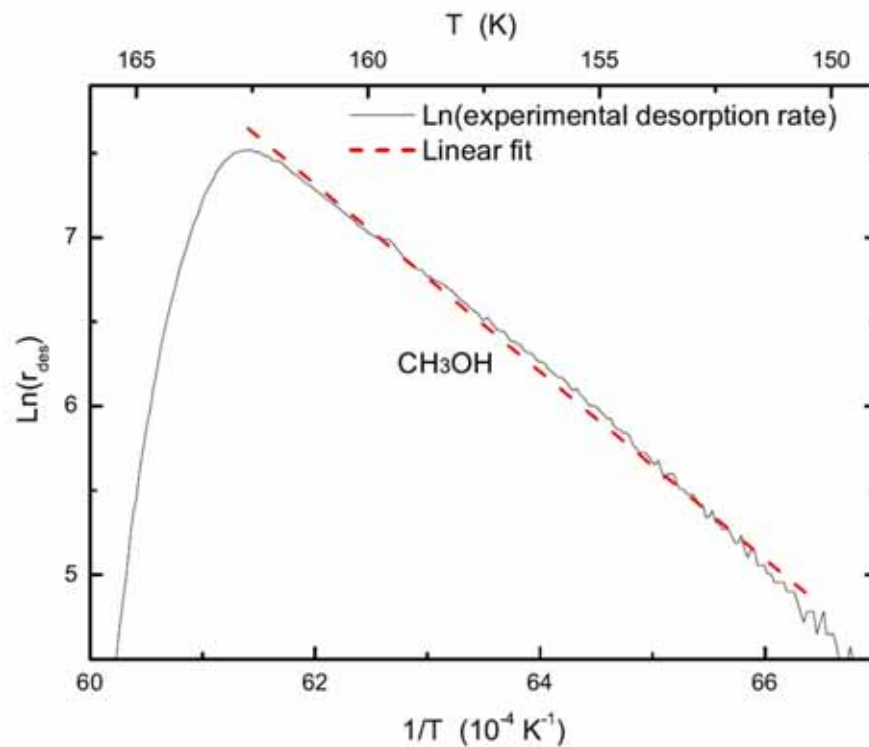
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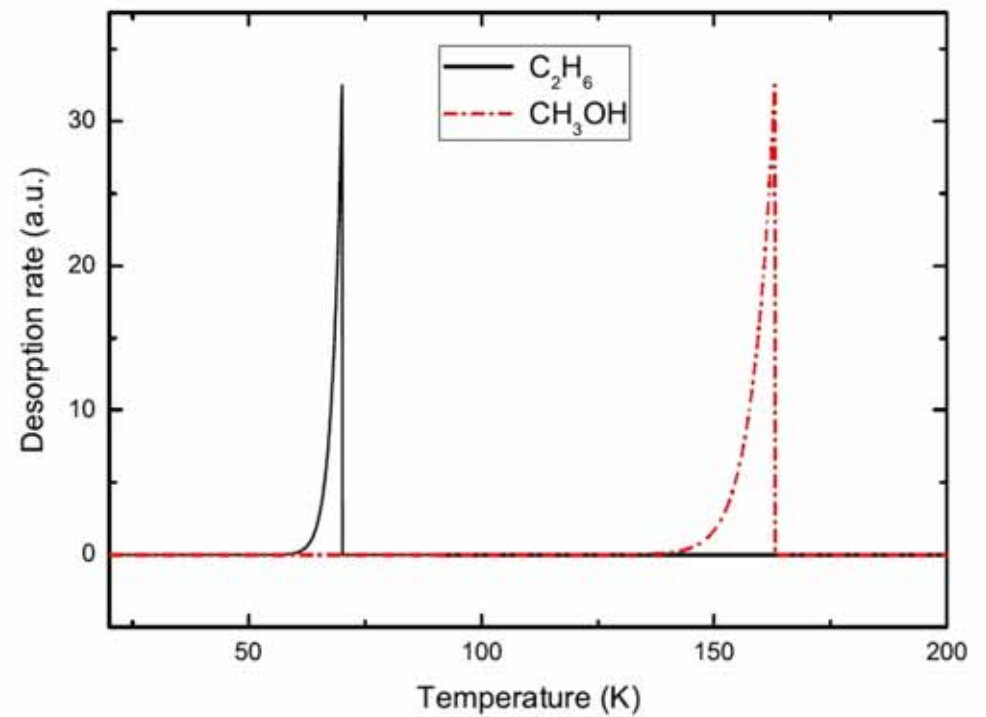
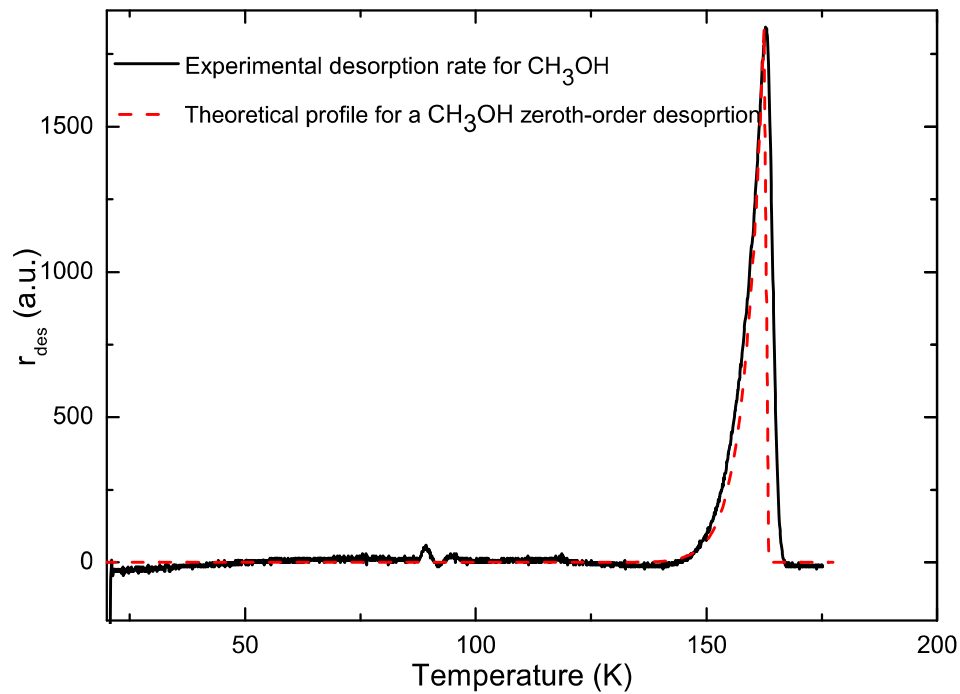
Ecuación de Polanyi-Wigner



$$-\frac{dN}{dt} = N^i A_i \exp\left(-\frac{E_{\text{des}}}{RT}\right)$$

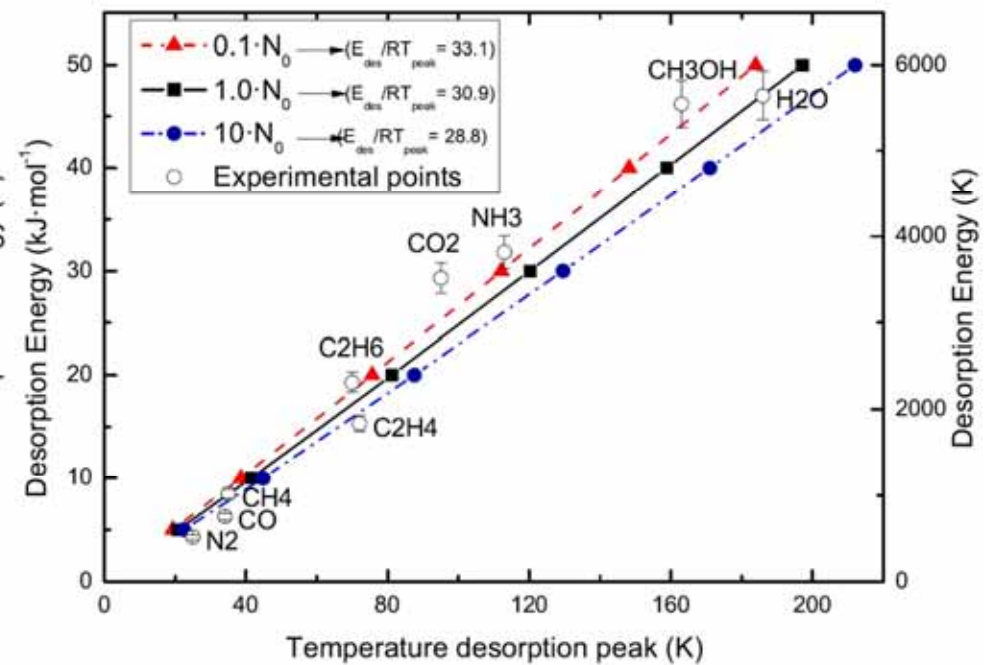
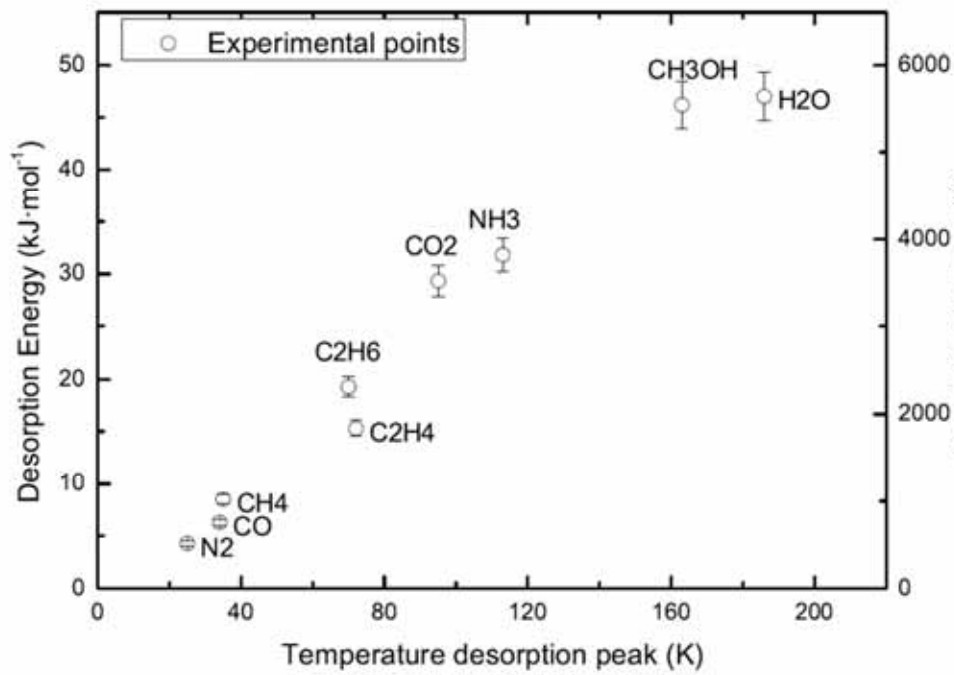


Simulaciones sublimación orden cero



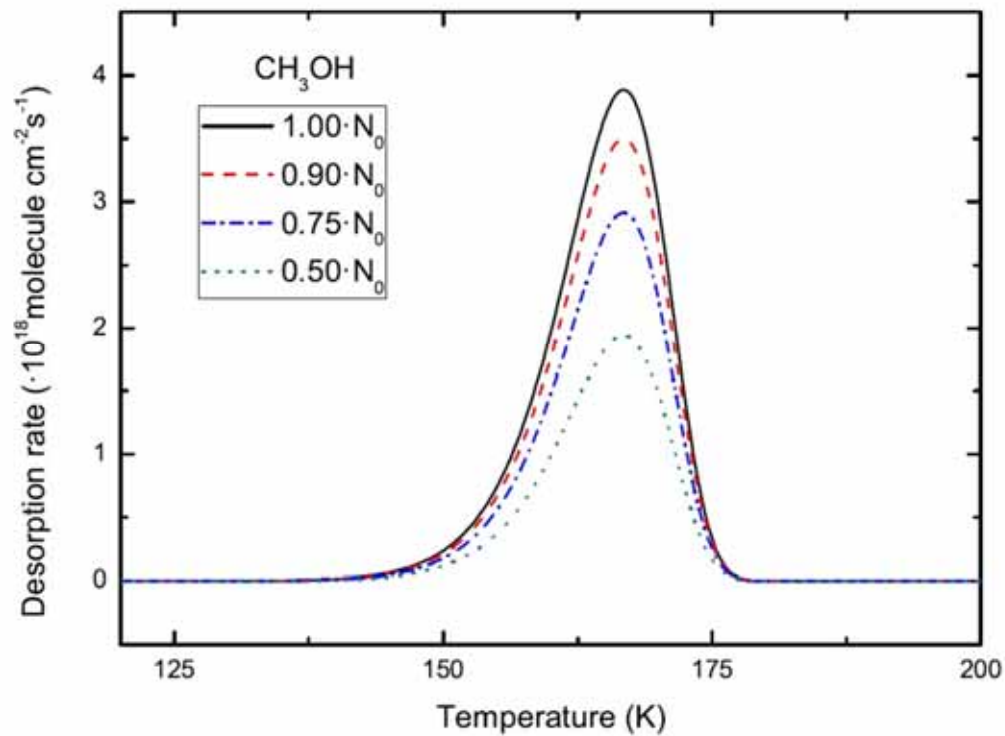
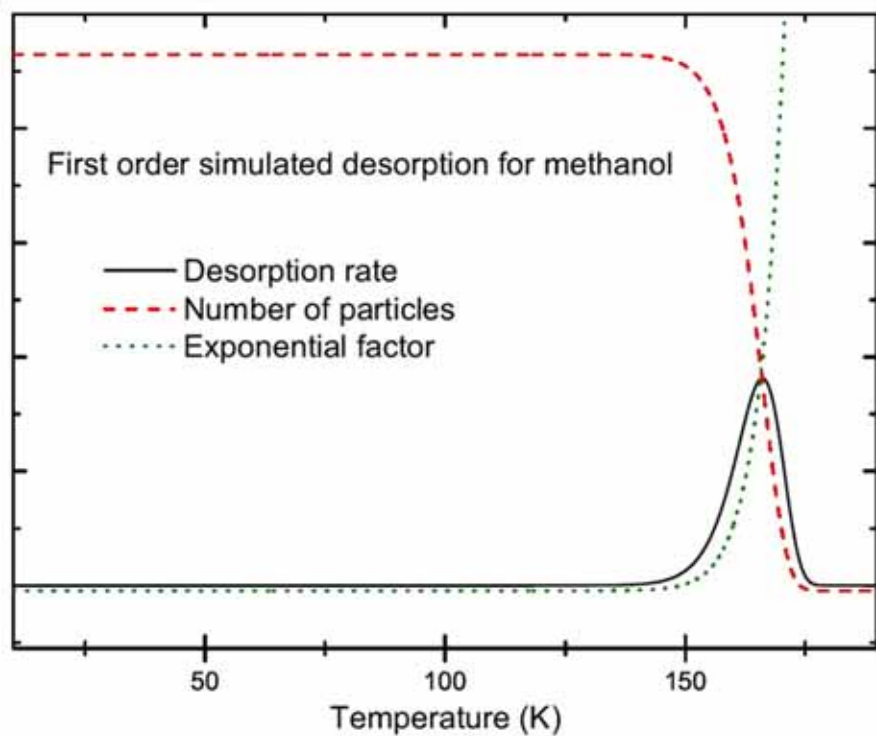


Resultados



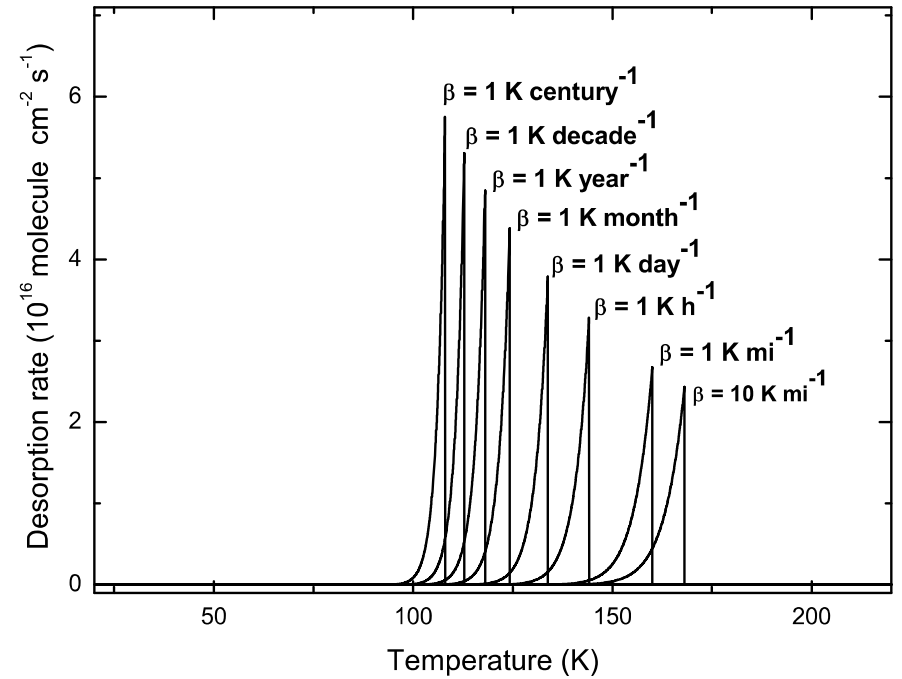
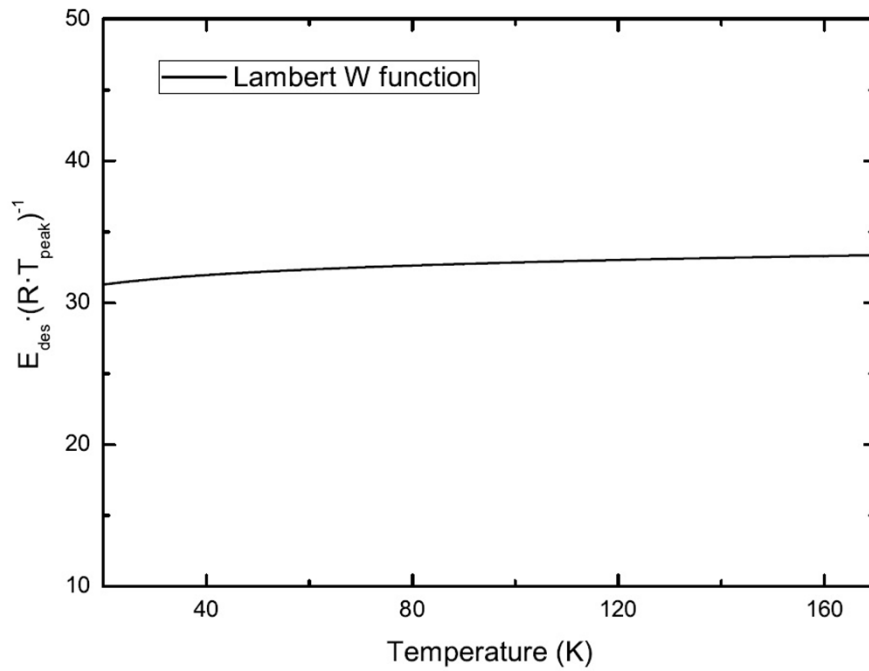


Simulaciones orden 1





Conclusiones y trabajo futuro $-\frac{dN}{dt} = N^i A_i \exp\left(-\frac{E_{des}}{RT}\right)$



$$\frac{E_{des}}{R T_{peak}} = \text{ProductLog}\left(\frac{A_1 T_{peak}}{\beta}\right)$$



Agradecimientos

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¡Gracias por su atención!