

Diffusion de la chaleur

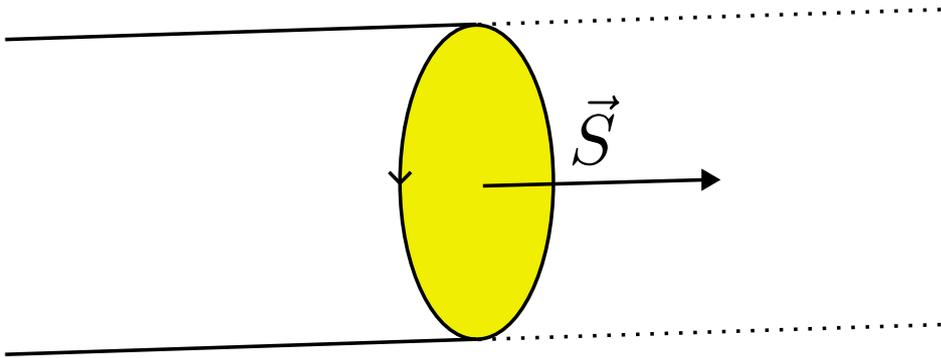


Figure 1 – Surface orientée S

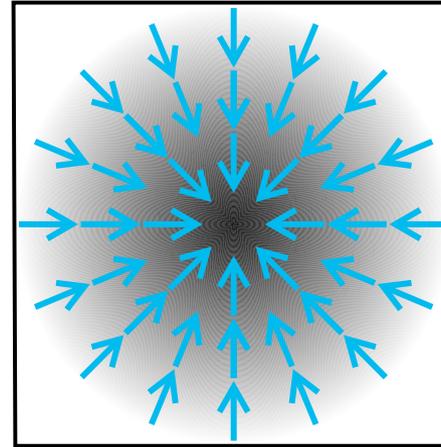
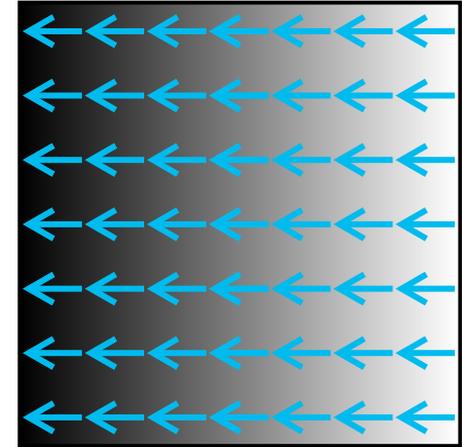


Figure 2 – Représentation du gradient



Diffusion de la chaleur

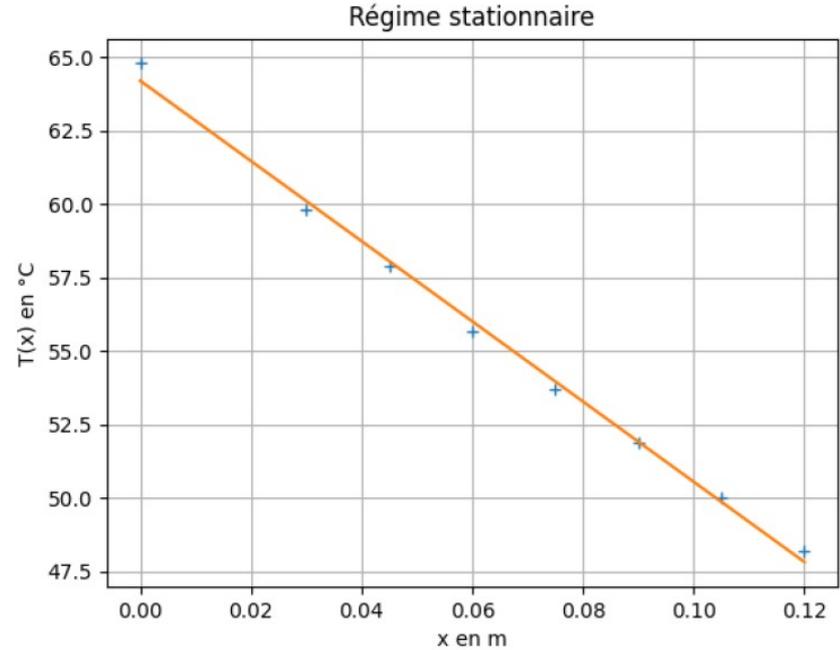
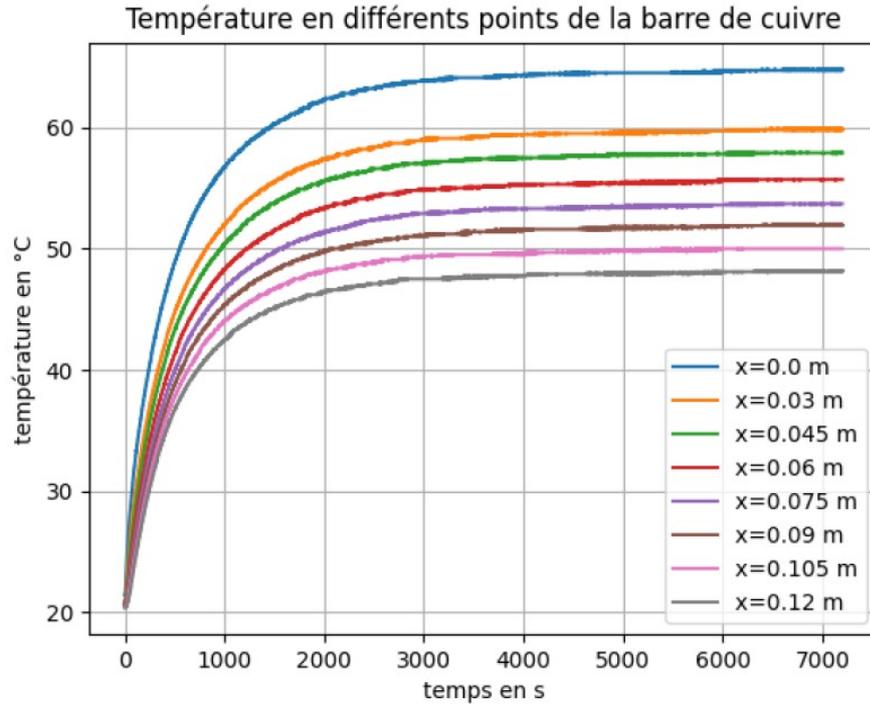


Figure 3 – Données de l'expérience de diffusion de la chaleur à travers la barre de cuivre

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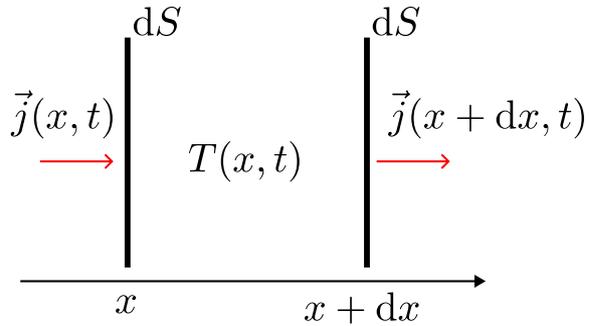
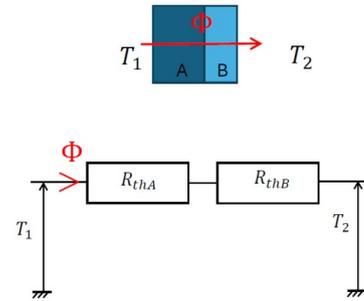


Figure 4 – Schéma du système sur lequel on fait un bilan d'énergie interne

En série : même flux thermique



En parallèle : même ΔT

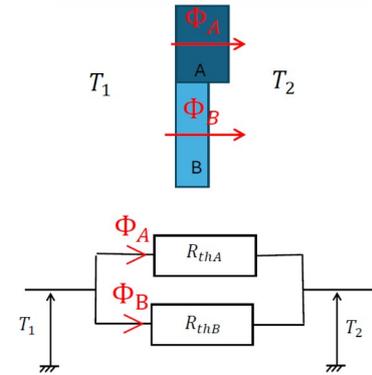


Figure 5 – Résistances thermiques

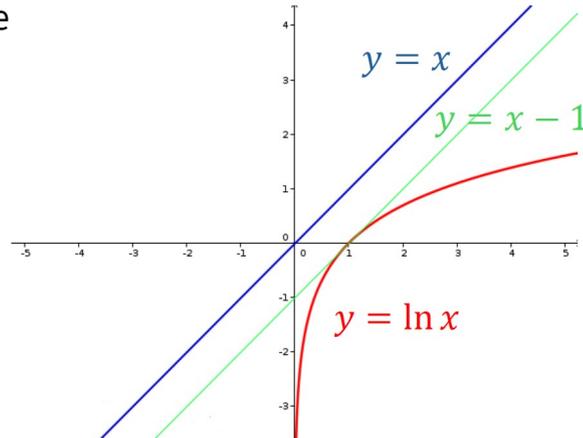


Figure 6 – Fonctions utiles