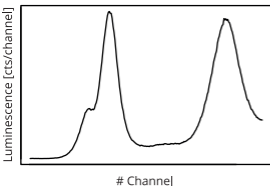
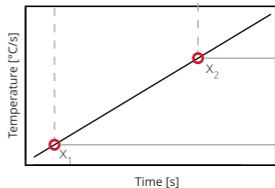
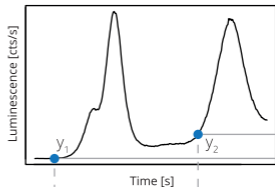


(a)

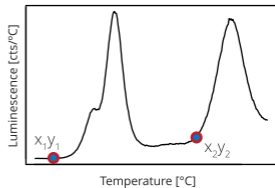
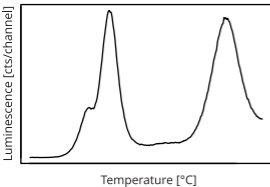
$$\text{channel} := \{1, 2, 3, \dots, n \mid n \in \mathbb{N}\}$$

$$y := \{y_{\text{channel}_1}, \dots, y_{\text{channel}_n}\} \begin{cases} \left(\begin{array}{l} x, y \\ 0, 0 \\ 5, 10 \\ 10, 15 \\ 15, 21 \\ \vdots, \vdots \end{array} \right) \\ \left(\begin{array}{l} x_i, (x_{i-1} + \frac{x_n}{n}), \dots, x_n \\ i := \{0, 1, \dots, n-1\} \end{array} \right) \end{cases}$$

1

(b)

2



3