



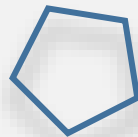
ISP-Interpolation



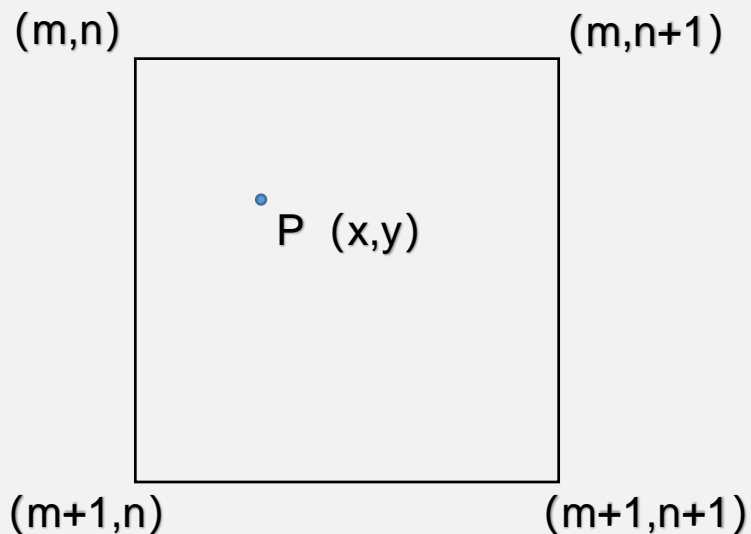
食鱼者



202107



LSC-Interpolation



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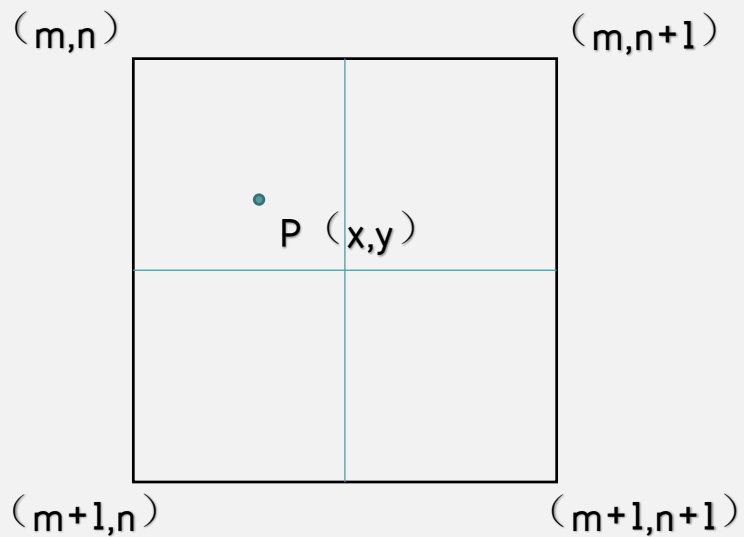
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邻域插值



邻域插值





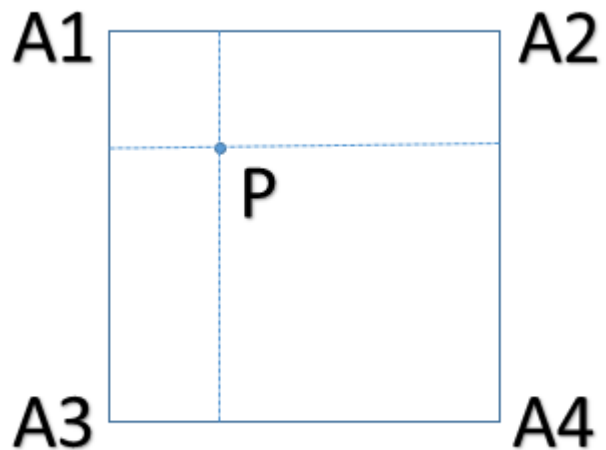
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线性插值





线性插值



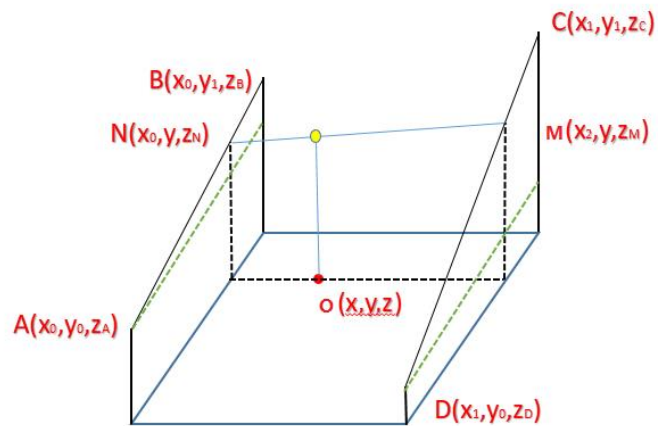


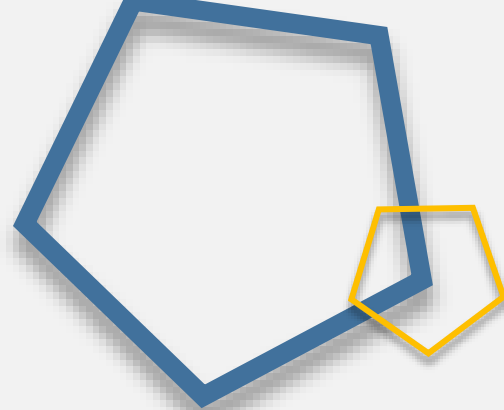
03

双线性插值

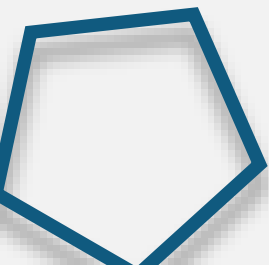


双线性插值





双三次插值

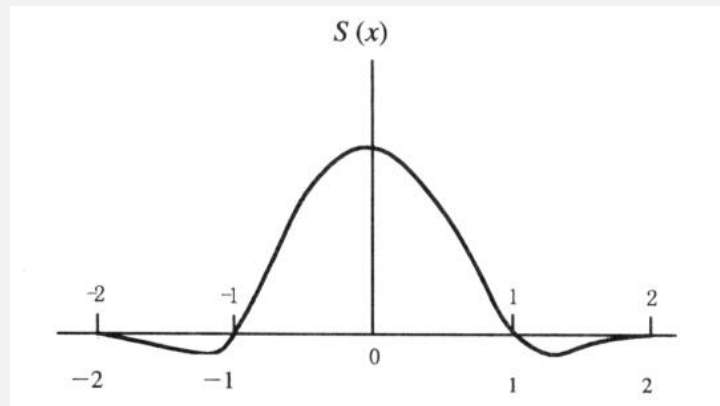
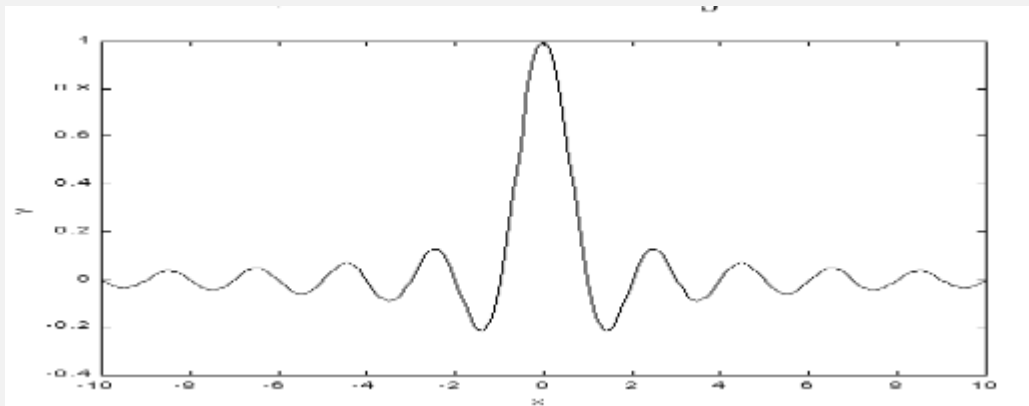




双三次插值

$$x(t) = \sum_{i=-\infty}^{+\infty} x(nT_s) \operatorname{sinc}\left(\frac{\pi}{T_s}(t - nT_s)\right)$$

$$S(x) = \begin{cases} 1 - 2|x|^2 + |x|^3 & |x| < 1 \\ 4 - 8|x| + 5|x|^2 - |x|^3 & 1 \leq |x| \leq 2 \\ 0 & |x| > 2 \end{cases}$$





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See You !