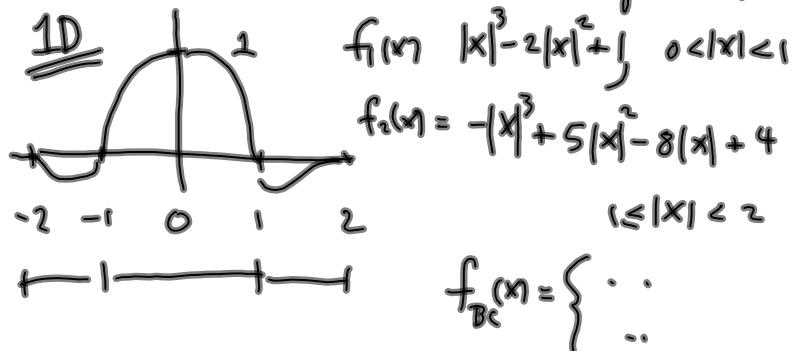


bicubic interpolation

11-1

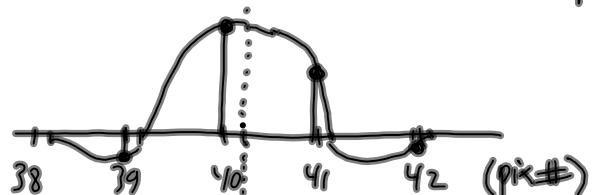
motivated by sinc function interpolation



Feb 12-4:25 PM

## Example 1D cubic interp

11-2


 $\underline{237} \quad \underline{211} \quad \underline{40.25} \quad \underline{143} \quad \underline{143} \quad (\text{int})$ 

$$I_{cc}(40.25) = I(39) \cdot f(39 - 40.25) + I(40) \cdot f(40 - 40.25) \\ + I(41) \cdot f(41 - 40.25) + I(42) \cdot f(\underline{\underline{42 - 40.25}})$$

$$I_{cc} = 190.3$$

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