

2D Filter Mask Difference Equation Tutorial Exercise 2

A digital filter is given in Figure 1:

- Define all possible recursions allowed by this mask.
- Define the domain of the filter impulse response.
- Define a set of initial conditions to ensure that the system is recursive, linear and shift invariant.

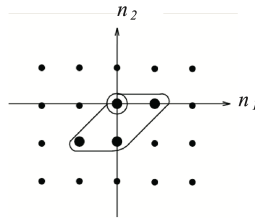


Figure 1: Figure of Exercise.