a) First Step: Row Filter

even row: Low-Pass Filter H
odd row: High-Pass Filter G

Memory Space: Input in Global Memory

b) Second Step: Column Filter

even col.: Low-Pass Filter H
odd col.: High-Pass Filter G

Memory Space: Output in Global Memory

c) Third Step: Time Filter

Memory Space: Input in Global Memory

Memory Space: Output in Global Memory

d) Fourth Step: Copy LLL for the next level