Short-Time-Digital filter

```matlab
function out_vec = stdf ( Hd, vec, N )
        out_vec = zeros(size(vec));
        n = 0:N-1;
        w = 0.5 * ( 1 - cos( 2*pi*n / (N-1) ));
        for index = 0:length(vec)/N-1
                window = vec(index*N+1:(index+1)*N);
        out_vec (index*N+1:(index+1)*N) = filter(Hd, window.*w);
    end
end


Input argument "vec" is undefined.

Error in ==> stdf at 3
        out_vec = zeros(size(vec));
```

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