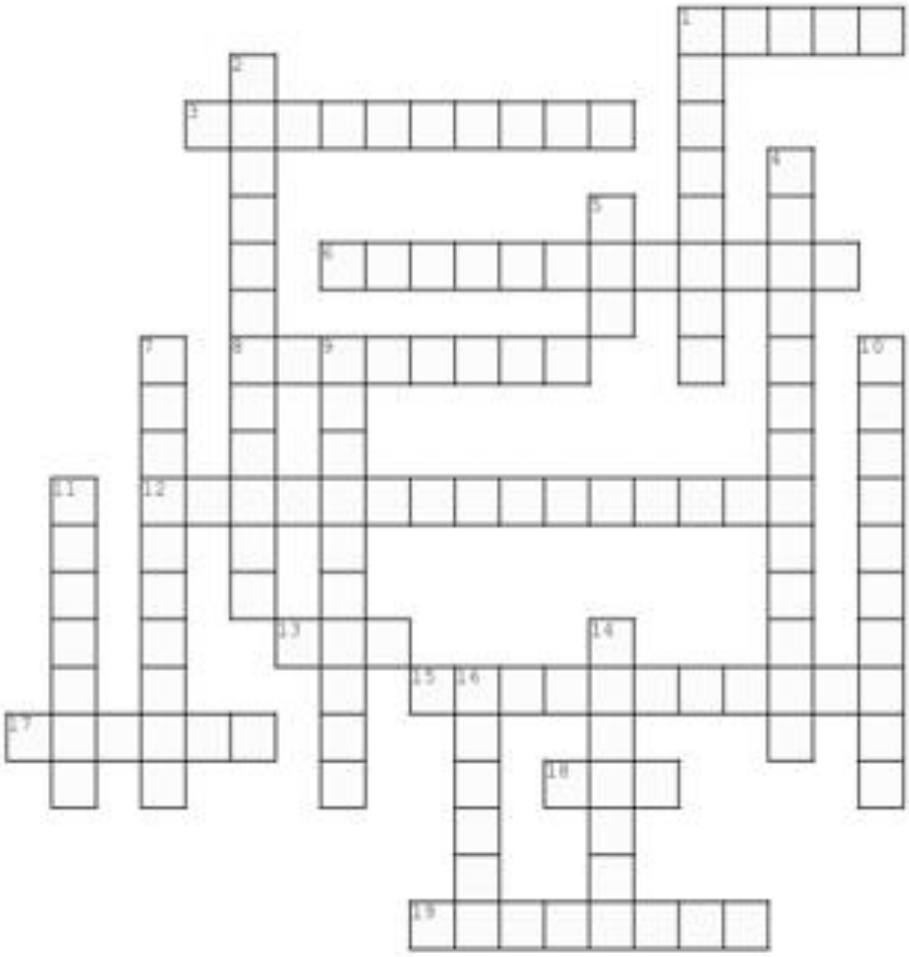
TECHNO-CROSSWORD



Across

1. These are not contained inside ROC
3. For LTI system to be both causal and stable all poles should be included inside this in z-plane
6. This is the measure of the spread of spectral density
8. This refers to collection of all sample functions
12. PSD for a fourier transform pair with this function
13. This frequency function at zero frequency gives the area under autocorrelation
15. This operation between a function and its time reversal give autocorrelation
17. ROC in z-transforms take this shape in z-plane
18. For a random proces if its mean is constant and autocorrelation is independent of time, then it is called_____
19. Z-transform of one unit advanced impulse will not converge at this point in z-plane

Down

1. PSD of a WSS process is always _____
2. Covariance is zero when two random processes X(t) and Y(t) are _____
4. For this random process the future values of sample function can be predicted based on its past values
5. This is one of the function which give the complete statistical characteristics of random signals
7. This function is a measure of interdependence between two random variables
9. This signal is random in nature
10. If two random processes are _____ then the cross correlation between them is zero
11. These random processes have all time averages of sample function equal to corresponding ensemble averages
14. This discrete random process represents the number of times that some event has occured as a function of time
16. Autocorrelation of a random process is maximum at this point