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| S.no | Title | Author | Journal | Findings | Parameters | Advantages |
| 1 | Channel estimation in mobile wireless systems | Rashmi Mohan , Sagar S , Varsha P. | International Journal of Electronics and communications Engineering and technology(IJECET) , 2019 | Channel estimation using F-OFDM model, Interpolation techniques. | X-axis : Singal to noise ratio(SNR)  Y-axis: Bit error Rate(BER) | 1.Independent of OFDM systems.  2. The space between the subcarriers in each of the sub-band can be different.  3. The sub-bands of the waveform do not overlap since a new guard tone is added to them. |
| 2 | Channel estimation in mobile wireless channel using Least Square Method | Nidhi Jaisval , Richa Shrivastava , Shivam Kare | Journal of Emerging Technologies and Innovative Research(JETIR) . | Channel estimation is done through Time variant channel estimation using Pilot Sequence techniques. |  | 1. More accurate representation of high mobility wireless channels with low complexity  2. It could combat with the frequency selective fading effectively because of narrow bandwidth. |
| 3 | Estimation of corelated MIMO channels using partial channel state information and DPSS | Langoria Gandara | IEEE Trasactions on wireless communications , 2011. | Reduced Rank technique is used. | X-axis: Angle of departure  Y-axis : Linear power | 1. Improve the performance of the 4G and LTE systems.  2. This technique provides high data rate in modern mobile wireless communication systems. |
| 4 | Wireless channel estimation in OFDM systems based on collaborative filtering techiques. | Velimir Svedek , Adrian SatjaKUrdija . | Journal of Electrical Engineering , 2019 | Memory based collaborative techniques and Interpolaton methods are used. | X-axis : Root mean square error.  Y-axis : Thrushold , Density(to be checked individually) | 1 . This alogorithm provide high accuracy metrics with least pilot sub-carriers. |
| 5 | Design a OFDM model. | MR. Rahul S. Beltane | International Journal of Research(IJR) , 2015 | In this model we use Fast Fourier Transform(FFT) and Inverse Fast Fourier Transfrom(IFFT) analysis. | X-axis: Frequency.  Y-axis: Amplitude. | 1. The main advantage of this model is that we can shift the signal from high frequency to low frequency and vice-versa.  2. It means that we can change frequency if one of the frequency is not vailable. |