Linear Prediction Code

This lecture is a discussion about Project 3 on linear prediction code. If you go online and google “linear prediction coding”, you will find tons of online materials about this topic. Linear prediction code can typically be done in two ways: (1) Autocorrelation (Yule-Walker); (2) Least-squares fitting. Among these two methods, I would say autocorrelation is the most popular method because of its computational complexity (which is extremely important when you want to put it on a chip). However, least-squares often performs better in terms of quality and it is easy to implement on a computer (i.e., MATLAB).