Least square phase estimation

*we are trying to estimate the phase change in the RX arc channel, after the mixer.*



**Arc**

*=*

*How do we treat noise and phase accumulation (?*

*First, we can look at the arguments as they were complex number*

*And let's assume that we did the previous action on several windows W(each window with size N)*

*We can see the following relations between the windows*

*) +)=*

*If we are heaving this number, we can use it for reducing the noise In future windows.*

*Exp=(multiplying with line space vector length)*

*And every future window will be multiplied by this Exp*