## Digital Communications - HW2

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## Problem

- 1 Transmitter and Channel
- 2 Point A
- 3 Point B
- 4 Point C
- 5 Point D
- 6 Point E
- 7 Point F

$nT_y$	h	$\hat{h}_{corr}$	$\hat{h}_{ls}$
0	1.0000	1.0054	0.9991
1	0.9635	0.9247	0.9613
2	0.4641	0.5002	0.5062
3	-0.0001	0.0202	0.0255
4	-0.2155	-0.2549	-0.2253
	Real	Corr	LS
$\sigma_w^2$ [dB]	-8	-7.9776	-8.0404

Table 1: Estimated coefficients with the two methods for N=5 and L=31. Here are also reported the values of the estimated noise variance  $\hat{\sigma}_w^2$ .

## References

[1] Nevio Benvenuto, Giovanni Cherubini, Algorithms for Communication Systems and their Applications. Wiley, 2002.