



ICR (Insertion Crosstalk Ratio) "Self Noise" Trade Off Proposal Adjustment

Richard Mellitz

ILD Penalty

If ($A_{max}(f_b) - A(f_b)$) > 0

$$\text{THEN } P_{ILD} = \frac{5}{N} \sum_n ILD^2(f_n) - 0.8 - 0.1(A_{max}(f_b) - A(f_b))$$

$$\text{ELSE } P_{ILD} = \frac{5}{N} \sum_n ILD^2(f_n) - 0.8$$

Since $A_{max}(f_b) - A(f_b)$ fails anyhow

$$P_{ILD} = \frac{5}{N} \sum_n ILD^2(f_n) - 0.8 - 0.1(A_{max}(f_b) - A(f_b))$$

Fits is 82%

Multivariate Correlations

	BRDCM_04_06 (BER)	icr(fb) - icr_penalty
BRDCM_04_06 (BER)	1.0000	-0.8251
icr(fb) - icr_penalty	-0.8251	1.0000

9 rows not used due to missing values.

Scatterplot Matrix

