

## Errata in S. Roman, Coding and Information Theory

1. (p. 54, Table 2.2.2) The last column of probabilities should read downward as 0.38\*, 0.24, 0.20, 0.18.
2. (p.79, Theorem 3.1.3 statement) The formula

$$H(X|Y) = \sum_{j=1}^t p(y_j|x_i) \log \frac{1}{p(y_j|x_i)}$$

should read

$$H(Y|X) = \sum_{j=1}^t p(y_j|x_i) \log \frac{1}{p(y_j|x_i)}$$

3. (p. 102, §3.3 Exercise 2) All three channel probabilities should be 1,
4. (p. 202, Theorem 5.1.5 statement) The last line should read that:  $A_q(n, d) \geq q^k$ .