A Pragmatic Introduction to Secure Multi-Party Computation

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Errata
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• Footnote 1 on Page 34 (Patricia Thaine): “will reveal $x$ to $P_1$” should be “will reveal $x$ to $P_2$.”

• Section 4.1.2 (p. 67, bottom) (Patricia Thaine): The share reconstruction description didn’t include the semantic indexes. To clarify, it should be:

  The share reconstruction procedure on input $sh_{1i}$, $sh_{2i}$, outputs $sh_{1i} \oplus sh_{2i} = s_i$.

• Section 6.2 (p. 109) (Patricia Thaine):

  "It follows that the parties must always perform the second phase, even when $P_1$ is honest."

should be

"It follows that the parties must always perform the second phase, even when $P_1$ is caught cheating."

• Section 6.5.1 (p. 113-114) (Patricia Thaine): The given wording could be interpreted ambiguously,

  “In other words, the ZK proof should prevent parties from running $\pi$ honestly, but with different inputs in different rounds.”

Replaced with:

  “In other words, the ZK proof should prevent parties from running $\pi$ with different inputs in different rounds.”

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• Fixes to notation in Section to avoid confusion in $\Delta$ notation.