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# **1 Diffie-Hellman and El Gamal**

*Dario Köllner ...*

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## **Introduction**

Here comes the intro....

### **1.1 Diffie-Helmann Security**

- 1.1.1 Computational-Diffie-Hellman-Problem**
- 1.1.2 Decisional-Diffie-Hellman-Problem**
- 1.1.3 Primenumber p and Bitlength q**
- 1.1.4 Man in the middle attack**

### **1.2 El Gamal problems**

- 1.2.1 Protocol problems**
- 1.2.2 Subgroup problems**