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# Title goes here

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**Abstract.** Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

**Key words:** certificateless signatures; multivariate cryptography; provable security; computational engineering
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## 1. Introduction

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We will refer to a classic text using a sample citation [1]. We also demonstrate inline math, e.g., $e^{i\pi} + 1 = 0$, and a displayed equation:

$$\sum_{k=1}^{n} k = \frac{n(n+1)}{2}. \tag{1}$$

### 1.1. A sample theorem

**Theorem 1** (Toy result)**.** *For every integer $n \geq 1$, the sum $\sum_{k=1}^{n} k$ is equal to $\frac{n(n+1)}{2}$.*

*Proof.* The proof can be done by induction. The base case $n = 1$ holds. Assume true for $n$. Then $\sum_{k=1}^{n+1} k = (\sum_{k=1}^{n} k) + (n+1) = \frac{n(n+1)}{2} + (n+1) = \frac{(n+1)(n+2)}{2}$. □

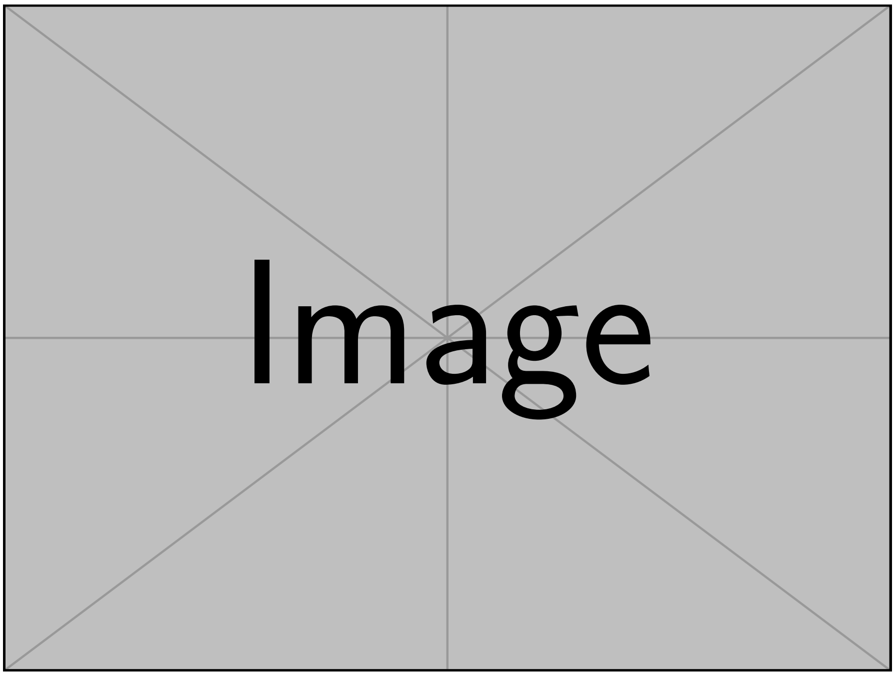
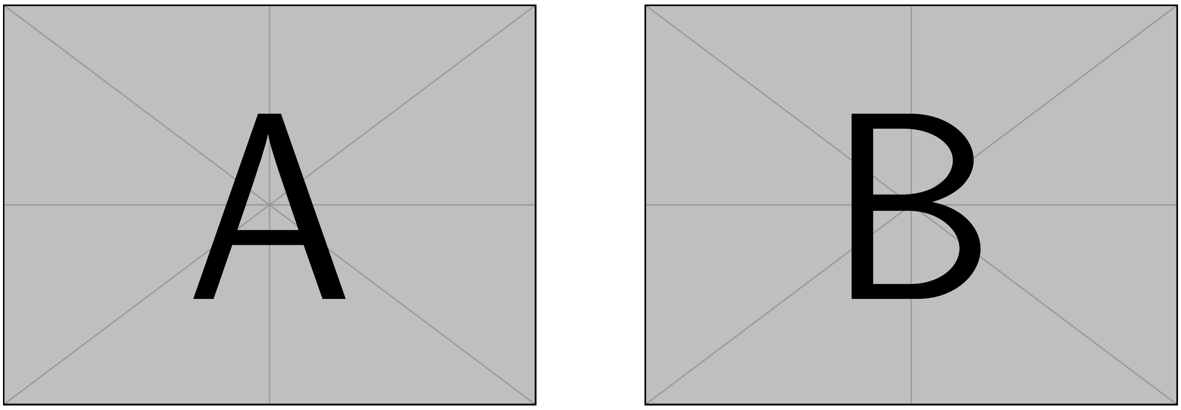



Figure 1: A sample figure (replace `example-image` with your own file).




(a) First subfigure

(b) Second subfigure

Figure 2: A sample subfigure layout.

Table 1: A sample table for demonstration.

| **Method** | **Time (ms)** | **Accuracy (%)** |
|---|---|---|
| Baseline | 12.5 | 91.2 |
| Proposed | 10.1 | 93.8 |
| Optimized | 8.7 | 94.4 |

## 2. Sample Figure(s)

Figure 1 shows a sample figure. Figure 2 shows two subfigures.

## 3. Sample Table

Table 1 shows a simple table with aligned columns.

**Algorithm 1** Sample procedure (toy example).

**Require:** Input array $A[1..n]$
**Ensure:** `true` if $A$ is non-decreasing, else `false`

```
for i ← 1 to n − 1 do
    if A[i] > A[i + 1] then
        return false
    end if
end for
return true
```

## 4. Sample Algorithm

Algorithm 1 shows a basic algorithm environment.

## 5. Conclusion

We included samples of an equation (Eq. 1), figures (Fig. 1–2), a table (Table 1), and an algorithm (Algorithm 1) to serve as a template.

## References


[1] Donald E. Knuth. *The TEXbook*. Addison-Wesley, 1984.