

|                |      |                 |            | versus      | Tilted vs. Steady       |                 | Tilted vs. Hybrid       |                 | Hybrid vs. Steady       |                 |
|----------------|------|-----------------|------------|-------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|
|                |      |                 |            |             | Strict Triplet Distance | Inner Node Loss | Strict Triplet Distance | Inner Node Loss | Strict Triplet Distance | Inner Node Loss |
| Scenario       | Unit | Population Size | Downsample | Size (bits) |                         |                 |                         |                 |                         |                 |
| drift          | bit  | 4096            | 500        | 32          | ++++                    | ++++            |                         | ++++            | ++++                    | ++++            |
|                |      |                 |            | 64          | ++++                    | ++++            | +                       |                 | *+++                    | ++++            |
|                |      |                 |            | 256         | ++++                    | ++++            | +                       | ++++            | *++                     | ++++            |
|                |      | 65536           | 500        | 32          | *+++                    | ++++            | *++                     |                 |                         | ++++            |
|                |      |                 |            | 64          | *++                     | ++++            | *++                     |                 | +                       | ++++            |
|                |      |                 |            | 256         | +                       | ++++            | +                       |                 |                         | ++++            |
|                |      |                 | 8000       | 32          | *+++                    | ++++            | +                       | ++++            | *++                     | ++++            |
|                |      |                 |            | 64          | *++                     | ++++            | ++                      | ++              | +                       | ++++            |
|                |      |                 |            | 256         | +                       | ++++            | +                       | ++++            |                         | ++++            |
|                | byte | 4096            | 500        | 256         | ++++                    | ++++            | *+                      | ++++            | *+++                    | ++++            |
|                |      | 65536           | 500        | 256         | *+++                    | ++++            | *+++                    | ++++            | +                       | ++++            |
|                |      |                 | 8000       | 256         | ++++                    | ++++            | *+++                    | ++++            | +                       | ++++            |
| mild structure | bit  | 4096            | 500        | 32          | ++++                    | ++++            | +                       | ++++            | ++++                    | ++++            |
|                |      |                 |            | 64          | ++++                    | ++++            | *++                     | ++++            | ++++                    | ++++            |
|                |      |                 |            | 256         | ++++                    | ++++            | +                       | *+++            | ++++                    | ++++            |
|                |      | 65536           | 500        | 32          | ++++                    | ++++            | +                       | ++++            | ++++                    | ++++            |
|                |      |                 |            | 64          | ++++                    | ++++            | +                       | ++++            | ++++                    | ++++            |
|                |      |                 |            | 256         | ++++                    | ++++            | *++                     | +               | ++++                    | ++++            |
|                |      |                 | 8000       | 32          | ++++                    | ++++            | +                       | ++++            | ++++                    | ++++            |
|                |      |                 |            | 64          | ++++                    | ++++            | *+++                    | ++++            | ++++                    | ++++            |
|                |      |                 |            | 256         | ++++                    | ++++            |                         | ++++            | ++++                    | ++++            |
|                | byte | 4096            | 500        | 256         | ++++                    | ++++            | *++                     | ++++            | ++++                    | ++++            |
|                |      | 65536           | 500        | 256         | ++++                    | ++++            | *++                     | ++++            | ++++                    | ++++            |
|                |      |                 | 8000       | 256         | ++++                    | ++++            | *+++                    | ++++            | ++++                    | ++++            |
| plain          | bit  | 4096            | 500        | 32          | ++++                    | ++++            | *++                     | ++++            | ++++                    | ++++            |
|                |      |                 |            | 64          | ++++                    | ++++            | *++                     | ++++            | ++++                    | ++++            |
|                |      |                 |            | 256         | ++++                    | ++++            |                         | ++++            | ++++                    | ++++            |
|                |      | 65536           | 500        | 32          | ++++                    | ++++            | ++                      | ++++            | ++++                    | ++++            |
|                |      |                 |            | 64          | ++++                    | ++++            | +                       | ++++            | ++++                    | ++++            |
|                |      |                 |            | 256         | ++++                    | ++++            | +                       | +               | ++++                    | ++++            |
|                |      |                 | 8000       | 32          | ++++                    | ++++            | +                       | ++++            | ++++                    | ++++            |
|                |      |                 |            | 64          | ++++                    | ++++            | *++                     | ++++            | ++++                    | ++++            |
|                |      |                 |            | 256         | ++++                    | ++++            | +                       | ++++            | ++++                    | ++++            |
|                | byte | 4096            | 500        | 256         | ++++                    | ++++            | *+++                    | ++++            | ++++                    | ++++            |
|                |      | 65536           | 500        | 256         | ++++                    | ++++            | *+++                    | ++++            | ++++                    | ++++            |
|                |      |                 | 8000       | 256         | ++++                    | ++++            | *+++                    | ++++            | ++++                    | ++++            |
| rich structure | bit  | 4096            | 500        | 32          |                         | ++++            |                         | ++++            |                         | ++++            |
|                |      |                 |            | 64          | +                       | ++++            | +                       | ++++            |                         | ++++            |
|                |      |                 |            | 256         | +                       | ++++            | +                       | ++++            |                         | ++++            |
|                |      | 65536           | 500        | 32          | *++                     | ++++            | ++                      | ++++            |                         | ++++            |
|                |      |                 |            | 64          | ++++                    | ++++            |                         |                 | *++                     | ++++            |
|                |      |                 |            | 256         |                         | ++++            |                         |                 |                         | ++++            |
|                |      |                 | 8000       | 32          | +                       | ++++            |                         | ++++            |                         | ++++            |
|                |      |                 |            | 64          |                         | ++++            | +                       | ++++            |                         | ++++            |
|                |      |                 |            | 256         | +                       | ++++            |                         |                 | *++                     | ++++            |
|                | byte | 4096            | 500        | 256         |                         | ++++            | +                       | ++++            | *++                     | ++++            |
|                |      | 65536           | 500        | 256         | +                       | ++++            | +                       | ++++            |                         | ++++            |
|                |      |                 | 8000       | 256         | +                       | ++++            | +                       | ++++            |                         | ++++            |