

| Notation | Description |
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| C-Baseline- x | Baseline classifier only using touch strokes in the setting s_x , where $x \in \{a, b, c, d, e\}$ |
| C-ATCA- x | Our classifier for the setting s_x , where $x \in \{a, b, c, d, e\}$; strokes in other settings are a |
| S-Baseline- x | Baseline authentication system using C-Baseline- x with the fixed universal setting s_x , where |
| S-Baseline-improved | Our improved Baseline authentication system whose setting is randomly selected |
| S-ATCA | Our authentication system using C-ATCA- x , where $x \in \{a, b, c, d, e\}$; settings are randomly selected in each time interval |