

9. Conclusion

This study confirmed the effectiveness of applying SVM to person authentication using behavioral features of fingers by touch operation on smartphone. The combination of Double tap - Swipe, 20 registered data, and 2 test operations is considered optimal practically. In the future, it is necessary to improve the performance so that the authentication using touch operation can be handled (Precision). Besides, we also would like to examine the effects of other data analysis methods using artificial intelligence other than SVM.

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11. Acknowledgements

This paper is a summary of the research results that were written at the School of Computer Science, Tokyo University of Technology. Firstly, I would like to express my sincere gratitude to my academic supervisor Dr. Toshiyuki Kinoshita who gave me the opportunity to conduct this research. His guidance from the beginning helped me to complete this paper. Besides my supervisor, my sincere thanks also go to Senior Assistant Professor Chihiro Shibata of the same department for the advice and guidance throughout this paper. Last but not the least, I would like to thank my fellow labmates for the stimulating discussions while carrying out research.