STRENGTH OF FUNCTION FOR AUTHENTICATION

COMMENTARY

John Mears IBIA Director Leidos Senior Fellow

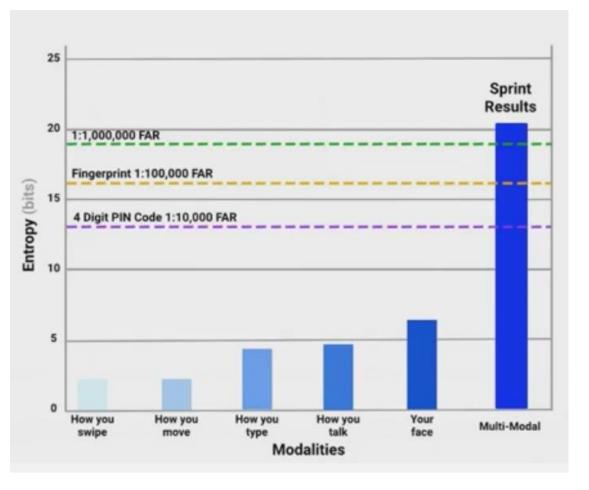


IBIA CHARTER AND OUR INTEREST IN SOFA

- IBIA advances the adoption and responsible use of technology-based identification solutions to manage identity to enhance security, privacy, productivity, and convenience. This mission applies across the board to government, business, and consumer uses.
- We believe that authentication with a biometric as at least one factor can be more secure and convenient than traditional approaches such as ID/password.
- We support finding ways to objectively show this belief so that we can communicate it, and the general public can understand.



ENTROPY?





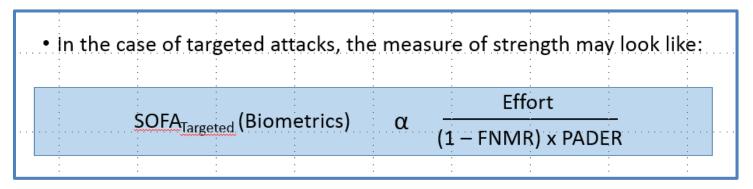
TIME?





Faking the Touch-ID fingerprint sensor

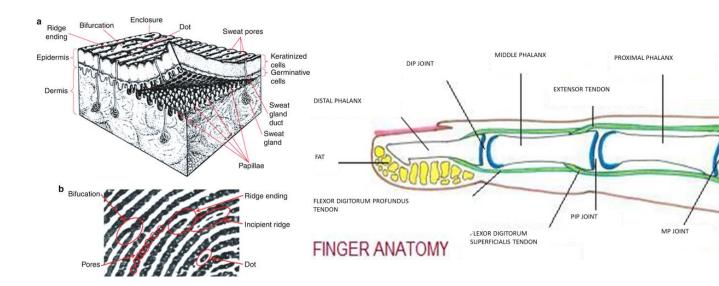
SUGGESTIONS FOR SOFA PROPOSITION:



- Make effort a function of time and money with dimensions of time
- Transform money to time by dividing by an hourly rate; add to time to yield effort
- At least initially, ignore the "knowledge" factor, or set it to "1"
- Add a divisor of effort which is equal to the number or worth of targets
 - Is the target an individual cell phone?
 - Or a database of all users?
- Potential difficulty: recognized process or accredited test lab for PADER



INDUSTRY INITIATIVES TO INCREASE "EFFORT"



- Sense structures beneath the epidermis, like the dermal papillae
- Sense the bone structure
- Add to more "traditional" vein structure, pulse sensing



International Biometrics+Identity Association

For more information please visit our website: **ibia.org**