



DeMaMech 2007

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Summary

- Keio University, Yagami Campus
- 5 months
- Maeno Laboratory
- Research on Tactile Display

Tactile displaying

- Controlling the surface friction results in projection of convex and concave sensation.
- Possibility to display textures using ultrasonic transducer.
- Need to find the sensitivity of humans to the effects of ultrasonic vibration.



Tactile displaying

Amplitude modulation

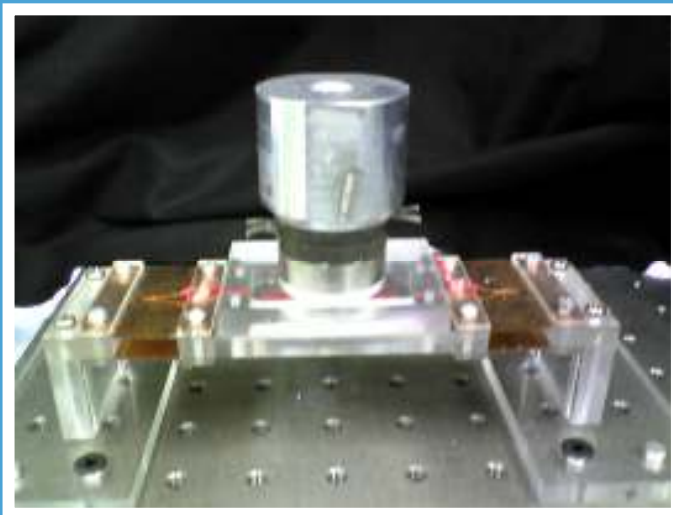
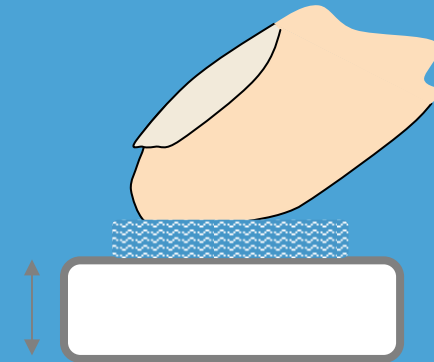
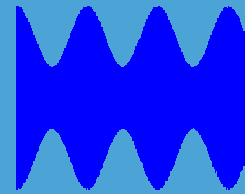


Carrier wave

+



Signal wave



The pressure in the air gap between vibrating surface and body builds up.

Exchange Student Life





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