

TOUCH PAD DEVICE TRENDS & APPLICATIONS

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Methodology

The main platform used is an online survey application on Facebook. Online questionnaires were posted and invitations were sent to the intended participants. The results were collated and presented in table and chart form.

Questions

Q1 What touchpad device(s) are you using now?

Q2 Why do you choose it instead of others?

Q3 What applications/functions do you use the most?

At the end of the survey, a total of 35 people were surveyed.

For the adults, occupations were mostly identified.

Introduction

Purpose of the project

- Identification of latest Touch Pad devices in the market
- Comparison of range of applications
- Use of charts to display their findings

A Touch Pad is a pointing device featuring a tactile sensor, a specialized surface that can translate the motion and position of a user's fingers to a relative position on screen. The touch screen technology has been incorporated into smart phones and tablet computers.

Touch pads work based on three systems:

Resistive, Surface Acoustic Waves (SAW) and Capacitive.

In this project, we compare three companies that sell the latest touchpad devices and are receiving worldwide attention—Apple, Nokia and Android. We selected three devices namely, iPhone 4, Nokia N9 and Samsung Galaxy to represent Apple, Nokia and Android respectively.

With the above research, we aim to find out which of the touchpad devices are more popular and the reasons, with surveys to aid us in identifying the trend.

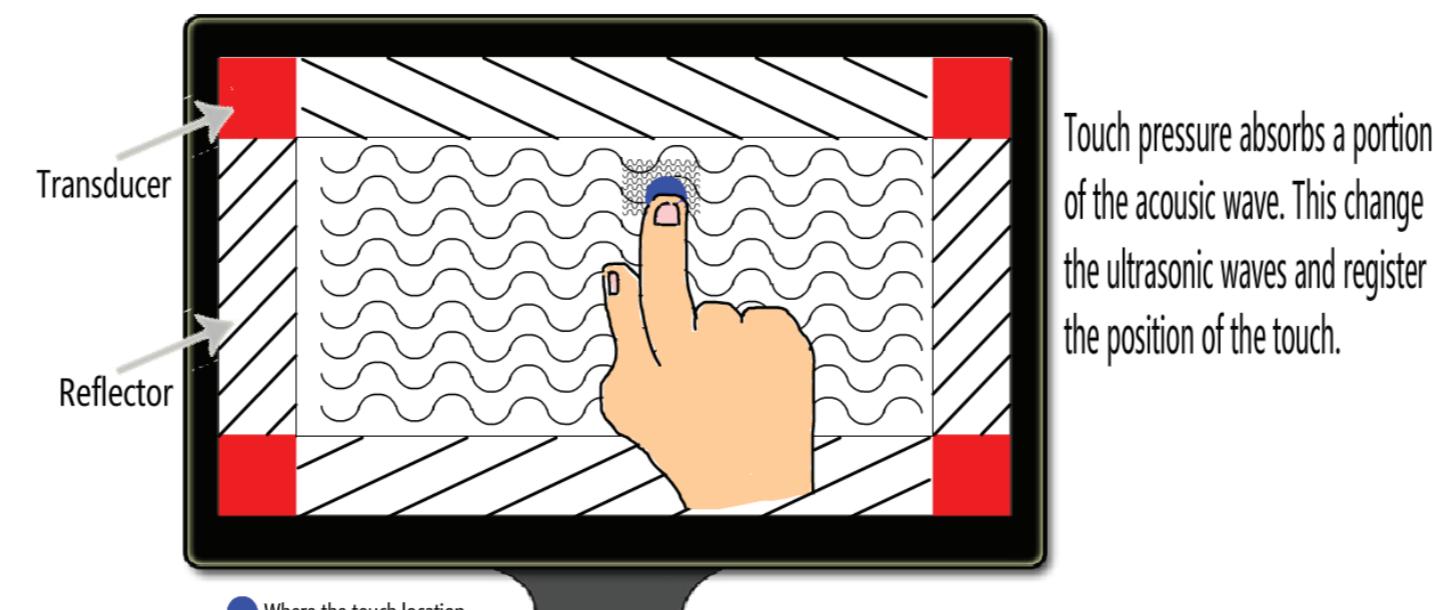


Background Information Of Touchpads



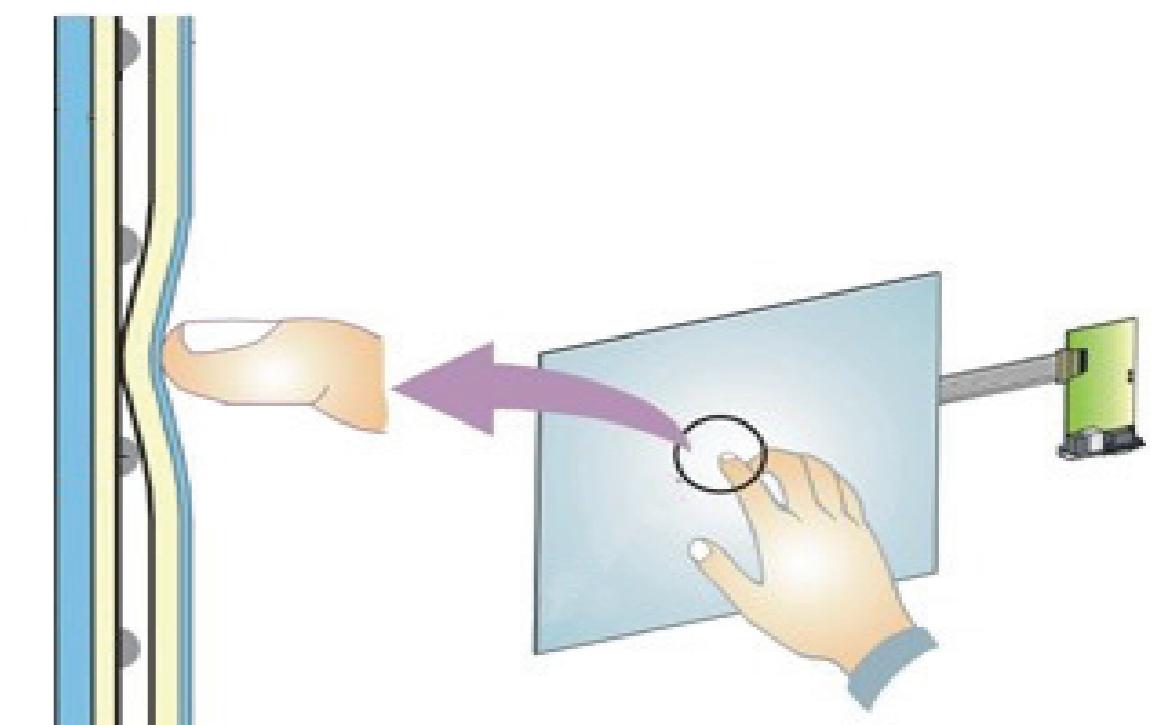
Capacitive Touch

Capacitive touch screens have sensors which detect anything conductive. It is used in devices such as laptop track pads and computer displays.



Surface Acoustic Waves

Surface Acoustic Waves (SAW) touch screen technology makes use of ultrasonic waves that pass over the touch screen panel. When the panel is touched, some of the waves are absorbed and the changes in the wave assist in locating the position of the touch.



Resistive Touch

Resistive touch screens are touch-sensitive computer displays consisting of several layers, the most important are the two electrically conductive layers separated by a narrow gap. Resistive technology is recommended for use in Point-of-Sale such as grocery stores, hotels and retail stores.

Conclusion

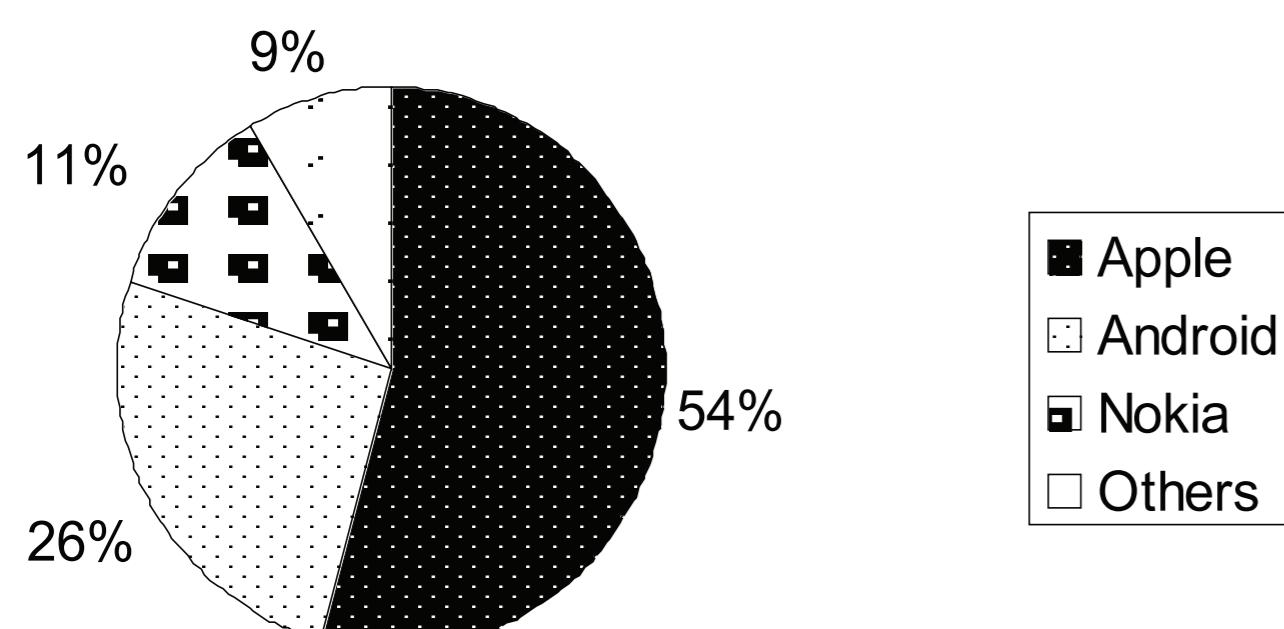
This research has shown that teenagers generally prefer to follow the current trend, often selecting a phone with many different applications for entertainment purposes, and sometimes, for daily life situations.

On the other hand, working adults prefer to purchase a mobile phone which has the basic functions, e.g. communication functions, clock, organizing tools and messaging. Occasionally, these adults also choose mobile phones for entertainment purposes.

We have learnt how touchscreens work and this information is very useful for when we use touchscreen technology.

Results

Statistics of the number of people using Apple, Android, Nokia products & others



Statistics of people using Apple, Android & Nokia (Working Adults & Students)

