Types of touch screen

Source:

* <https://pdfs.semanticscholar.org/f44e/8da5ef07d593cb940c19df30a4028428c47d.pdf>
* <http://www.tru-vumonitors.com/images/Touch_Screen_Basics.Comparisons.pdf>

According to the article there are four types of touch screen

1. Resistive

* The most used touch technology
* Resistive touch is a type of touchscreen that has two layers, the flexible top layer and the rigid bottom layer. When you touch the screen, the flexible top layer will push onto the rigid bottom layer and determined based on the pressure of the touch
* It can be 4-wire resistive touch screen or 5-wire resistive touchscreen

2. Capacitive

* It uses a material that stores electrical charges
* must be touched by a finger
* Capacitive touch does not rely on pressure, but on the conductive properties of our fingers which releases electrical charges
* Compared to resistive touch, the capacitive touch provides better user experience

3. Surface acoustical wave

* -advanced touch screen types
* Uses ultrasonic waves to detect touch areas and events to determine the location of the user's input

4. infrared

* Disruption of patterns in the LED beams. The touch will be determined when it notices that the sheet of light isn't complete
* it can be touched by anything