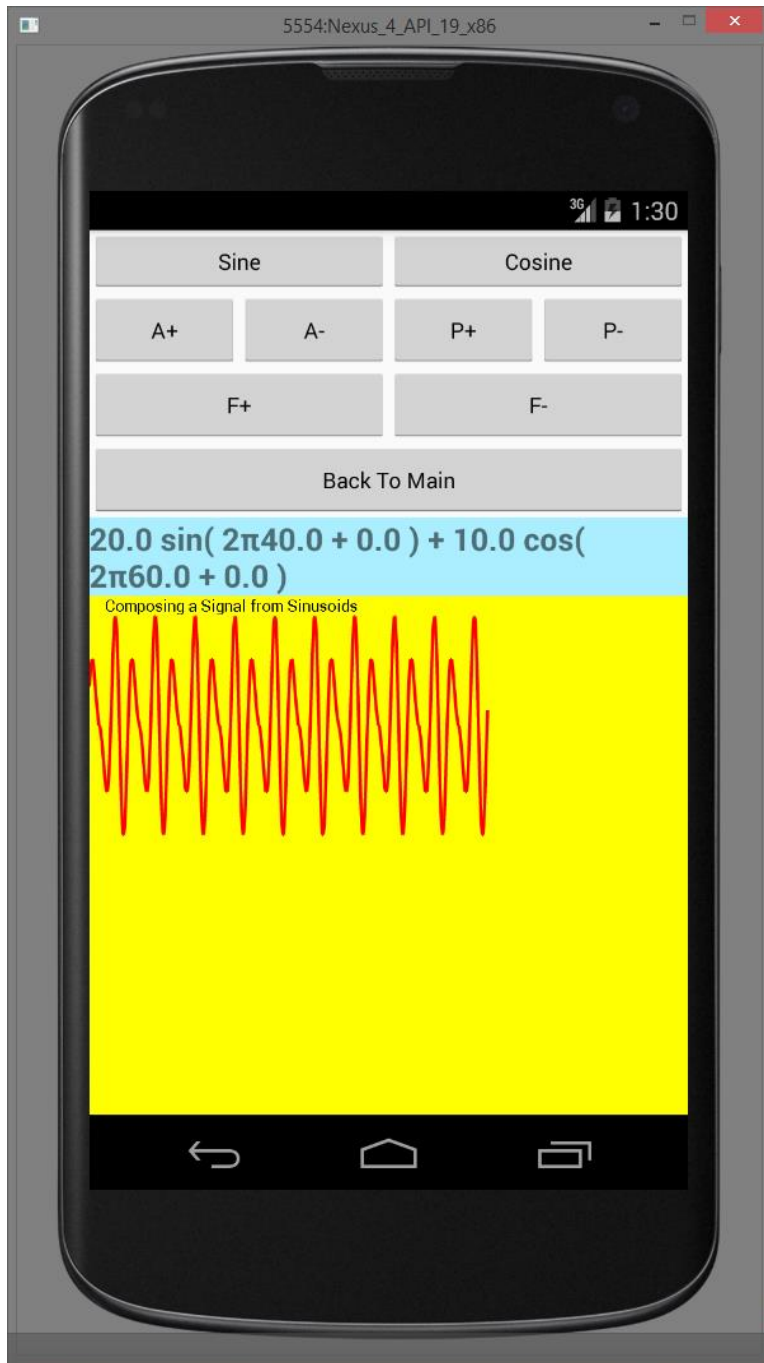


CS3218 Tutorial 2

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4.



5.1

android:configChanges indicates the configuration changes that the activity will handle by itself. By default, the activity is shut down and restarted when a configuration is changed during runtime. If a configuration is listed, it will not be restarted, and instead, the *onConfigurationChanged()* method is called.

orientation – Orientation of the device has changed, i.e. device has been rotated

screenSize – Screen size has changed relative to its aspect ratio.

keyboardHidden – Change in keyboard accessibility.

5.2

The *synchronized* keyword indicates that in a multi-thread environment, the resource can only be accessed by only one thread at a time. This helps prevent unwanted behavior such as write after read.

5.3

The *drawFlag* field indicates whether the drawing should continue or not. In the *DrawThread* class, the thread stops when the draw loop in the *run()* method is exited, i.e. *drawFlag* is false.

5.4

The *ARGB_8888* is a color space with 4 channels (ARGB), Alpha, Red, Green, and Blue. The '8888' represents the number of bits per channel, at 8 bits each.