

5G智能物联网

# 卫星定位工程实例 之GPS定位

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## 卫星定位之GPS定位的开发 步骤

# 卫星定位之GPS定位的开发步骤

- 1 • 布局界面-----activity\_main文件下
- 2 • 定位权限检查-----ACCESS\_COARSE\_LOCATION权限
- 3 • 搜寻卫星-----getSatelliteCount()
- 4 • 获取卫星信噪比-----getCn0DbHz()
- 5 • 获取时钟-----getTime()
- 6 • 获取经度、纬度、高度、速度、方向、精度

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## 卫星定位工程代码详解

# 卫星工程代码详解

工程源代码链接: [https://bbs.elecfans.com/jishu\\_2344443\\_1\\_1.html](https://bbs.elecfans.com/jishu_2344443_1_1.html)

The screenshot shows the Android Studio interface with the following details:

- Toolbar:** File, Edit, View, Navigate, Code, Refactor, Build, Run, Tools, VCS, Window, Help.
- Project Structure:** test2 > app > src > main > res > layout > activity\_main.xml
- Code Editor:** Displays the XML code for activity\_main.xml. The code defines a ConstraintLayout with two TextView components. The second TextView's textSize attribute is highlighted in yellow.

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res-auto"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/provider"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="1dp"
        android:textSize="15sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.004"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.668"
        tools:ignore="MissingConstraints" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="1dp"
        android:textSize="15sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.004"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.333"
        tools:ignore="MissingConstraints" />

```

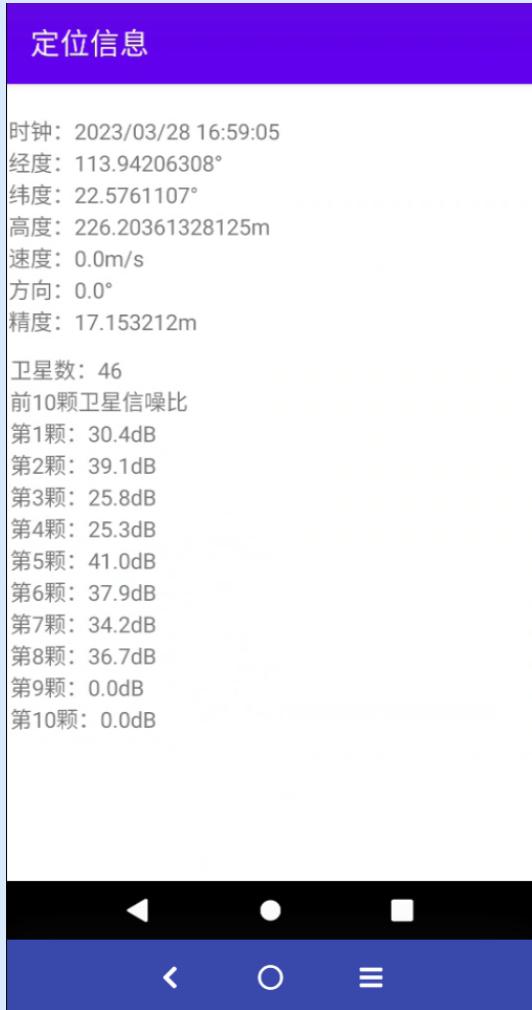
- Design View:** Shows the visual representation of the layout. It consists of two white rectangular boxes representing TextViews. The top box is positioned above the bottom one. Both boxes have blue dashed lines indicating their constraints relative to each other and the parent layout.
- Toolbars and Buttons:** Includes standard Android Studio toolbars like Version Control, Run, Profiler, Logcat, App Quality Insights, Build, TODO, Problems, Terminal, Services, and App Inspection.
- Status Bar:** Displays the time (14:32), file type (LF), encoding (UTF-8), and code style settings (4 spaces).

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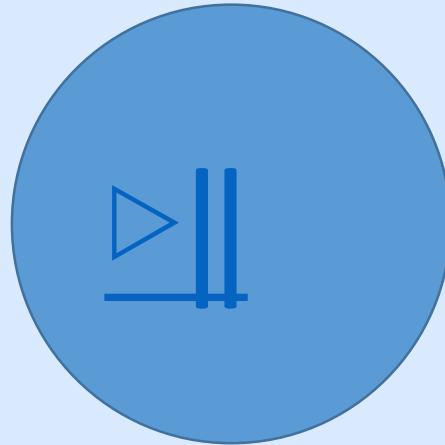
## 卫星工程运行演示

# 卫星工程运行演示

演示效果



演示视频



# 完美无线体验

广和通致力于将可靠、便捷、安全、智能的无线通信解决方案普及至每一个物联网应用场景，为用户带来完美无线体验，丰富智慧生活。

We are committed to enabling industries with reliable, accessible, secure, and intelligent IoT wireless solutions and wireless module products to maximize their value, providing a perfect wireless experience to people and enriching smart life of the whole society.

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