Android 常用的蓝牙，GPS，网络等状态检测方法汇总

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来源网站：链滴

序言

记录Android的一些判断设备状态的方法。

1.判断网络是否可用

```
// 是否有可用网络
    private boolean isNetworkConnected() {
        ConnectivityManager cm =
                (ConnectivityManager) mContext.getSystemService(Context.CONNECTIVITY_SERVIC
);
        NetworkInfo network = cm.getActiveNetworkInfo();
        if (network != null) {
            return network.isAvailable();
        }
        return false;
    }
```

2.判断wifi是否可用

```
// Wifi是否可用
    private boolean isWifiEnable() {
        WifiManager wifiManager = (WifiManager) mContext
                .getSystemService(Context.WIFI_SERVICE);
        return wifiManager.isWifiEnabled();
    }
```

3.判断GPS是否可用

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```
// Gps是否可用
    private boolean isGpsEnable() {
        LocationManager locationManager =
                ((LocationManager) mContext.getSystemService(Context.LOCATION_SERVICE));
        return locationManager.isProviderEnabled(LocationManager.GPS_PROVIDER);
    }
```

4.判断蓝牙是否可用

```
// 蓝牙是否可用
public static boolean isBluetoothEnabled() {
    BluetoothAdapter bluetoothAdapter = BluetoothAdapter.getDefaultAdapter();
 if (bluetoothAdapter != null) {
        return bluetoothAdapter.isEnabled();
  }
    return false;
}
```

5.判断是否有SIM卡

```
/**
 * 判断是否包含SIM卡
 *
 * @return 状态
 */
public static boolean ishasSimCard(Context context) {
    TelephonyManager telMgr = (TelephonyManager)
            context.getSystemService(Context.TELEPHONY_SERVICE);
    int simState = telMgr.getSimState();
    boolean result = true;
    switch (simState) {
        case TelephonyManager.SIM_STATE_ABSENT:
            result = false; // 没有SIM卡
            break;
        case TelephonyManager.SIM_STATE_UNKNOWN:
            result = false;
            break;
    }
    Log.d(TAG, result ? "有SIM卡" : "无SIM卡");
    return result;
}
```

6.判断是否存在SD卡

```
// 是否存在SD卡
private boolean ExistSDCard() {

    if (android.os.Environment.getExternalStorageState().equals(

    android.os.Environment.MEDIA_MOUNTED)) {
```

```
    return true;

    } else

    return false;

    }
```

7.判断屏幕是否点亮

```
//判断屏幕是否点亮
public static boolean isScreenOn(){
    PowerManager pm = (PowerManager) context.getSystemService(Context.POWER_SERVICE)

    boolean isScreenOn = pm.isScreenOn();
    return isScreenOn;
}
```

8.判断软键盘是否打开

```
//判断软键盘是否打开
 public boolean isSoftShowing() {
        //获取当前屏幕内容的高度
        int screenHeight = getWindow().getDecorView().getHeight();
        //获取View可见区域的bottom
        Rect rect = new Rect();
        getWindow().getDecorView().getWindowVisibleDisplayFrame(rect);

        return screenHeight - rect.bottom != 0;
    }
```

9.判断自动旋转屏幕是否打开

```
// 判断自动旋转屏幕是否打开
public boolean isAutoRotate(){
    int screenchange = Settings.System.getInt(context.getContentResolver(), Settings.System.A
CELEROMETER_ROTATION);
    if (screenchange == 1) {
        return true;
     }else {
        return false;
     }
}
```

10.判断是否在播放音频

```
// 判断是否在播放音频
public static boolean isMusicPlay(){
    AudioManager audioManager = (AudioManager)getContext().getSystemService(Context.A
DIO_SERVICE);
    return audioManager.isMusicActive();
}
```

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