https://blog.csdn.net/feather\_wch/article/details/52043153#收藏的资料

**Android 知识汇总**

置顶 2018年03月08日 22:24:57 阅读数：1079

版权声明：如果有帮助，请点个赞！如果有帮助，请点个赞！如果有帮助，请点个赞！ https://blog.csdn.net/feather\_wch/article/details/52043153

转载请注明：<http://blog.csdn.net/feather_wch/article/details/52043153>

本文用于归纳分类几年Android开发过程中的所有资料。

本文包含主要三部分：

第一部分：猎羽—个人的书单、知识储备、个人库。

第二部分：专题—根据专题的分类，对第三部分重要内容进行分类。

第三部分：Android基础和进阶—除了前两部分外，所有内容都是关于Android的基础知识和进阶知识。

**Android知识汇总**

版本：2018/9/10(23:59)

以下是最近更改的笔记，本人的同步作用，请无视！

[Android知识汇总](https://blog.csdn.net/feather_wch/article/details/52043153#android知识汇总)

[猎羽](https://blog.csdn.net/feather_wch/article/details/52043153#猎羽)

[人不可一日无书](https://blog.csdn.net/feather_wch/article/details/52043153#人不可一日无书)

[Android](https://blog.csdn.net/feather_wch/article/details/52043153#android)

[设计模式](https://blog.csdn.net/feather_wch/article/details/52043153#设计模式)

[收藏的资料](https://blog.csdn.net/feather_wch/article/details/52043153#收藏的资料)

[个人库](https://blog.csdn.net/feather_wch/article/details/52043153#个人库)

[专题](https://blog.csdn.net/feather_wch/article/details/52043153#专题)

[Java](https://blog.csdn.net/feather_wch/article/details/52043153#java)

[Android面试题](https://blog.csdn.net/feather_wch/article/details/52043153#android面试题)

[思维导图版](https://blog.csdn.net/feather_wch/article/details/52043153#思维导图版)

[设计模式](https://blog.csdn.net/feather_wch/article/details/52043153#设计模式-1)

[Head First 设计模式](https://blog.csdn.net/feather_wch/article/details/52043153#head-first-设计模式)

[Android群英传](https://blog.csdn.net/feather_wch/article/details/52043153#android群英传)

[Android艺术探索](https://blog.csdn.net/feather_wch/article/details/52043153#android艺术探索)

[工欲善其事必先利其器](https://blog.csdn.net/feather_wch/article/details/52043153#工欲善其事必先利其器)

[开源库](https://blog.csdn.net/feather_wch/article/details/52043153#开源库)

[插件](https://blog.csdn.net/feather_wch/article/details/52043153#插件)

[AS](https://blog.csdn.net/feather_wch/article/details/52043153#as)

[项目迁移](https://blog.csdn.net/feather_wch/article/details/52043153#项目迁移)

[琐碎问题](https://blog.csdn.net/feather_wch/article/details/52043153#琐碎问题)

[Git](https://blog.csdn.net/feather_wch/article/details/52043153#git)

[adb](https://blog.csdn.net/feather_wch/article/details/52043153#adb)

[apm](https://blog.csdn.net/feather_wch/article/details/52043153#apm)

[虚拟机](https://blog.csdn.net/feather_wch/article/details/52043153#虚拟机)

[VirtualBox](https://blog.csdn.net/feather_wch/article/details/52043153#virtualbox)

[Genymotion](https://blog.csdn.net/feather_wch/article/details/52043153#genymotion)

[一、基础](https://blog.csdn.net/feather_wch/article/details/52043153#一基础)

[字符编码](https://blog.csdn.net/feather_wch/article/details/52043153#字符编码)

[数据](https://blog.csdn.net/feather_wch/article/details/52043153#数据)

[序列化](https://blog.csdn.net/feather_wch/article/details/52043153#序列化)

[Json解析](https://blog.csdn.net/feather_wch/article/details/52043153#json解析)

[文件存储](https://blog.csdn.net/feather_wch/article/details/52043153#文件存储)

[SharedPreferences](https://blog.csdn.net/feather_wch/article/details/52043153#sharedpreferences)

[数据库](https://blog.csdn.net/feather_wch/article/details/52043153#数据库)

[返回键](https://blog.csdn.net/feather_wch/article/details/52043153#返回键)

[用户定位](https://blog.csdn.net/feather_wch/article/details/52043153#用户定位)

[获取日期和时间](https://blog.csdn.net/feather_wch/article/details/52043153#获取日期和时间)

[URI、URL](https://blog.csdn.net/feather_wch/article/details/52043153#uriurl)

[IntentFilter](https://blog.csdn.net/feather_wch/article/details/52043153#intentfilter)

[Base64、AES](https://blog.csdn.net/feather_wch/article/details/52043153#base64aes)

[二、语言](https://blog.csdn.net/feather_wch/article/details/52043153#二语言)

[Java](https://blog.csdn.net/feather_wch/article/details/52043153#java-1)

[语言基础](https://blog.csdn.net/feather_wch/article/details/52043153#语言基础)

[动态代理](https://blog.csdn.net/feather_wch/article/details/52043153#动态代理)

[JVM](https://blog.csdn.net/feather_wch/article/details/52043153#jvm)

[基本数据类型](https://blog.csdn.net/feather_wch/article/details/52043153#基本数据类型)

[类加载机制](https://blog.csdn.net/feather_wch/article/details/52043153#类加载机制)

[方法调用](https://blog.csdn.net/feather_wch/article/details/52043153#方法调用)

[异常](https://blog.csdn.net/feather_wch/article/details/52043153#异常)

[对象](https://blog.csdn.net/feather_wch/article/details/52043153#对象)

[反射](https://blog.csdn.net/feather_wch/article/details/52043153#反射)

[集合](https://blog.csdn.net/feather_wch/article/details/52043153#集合)

[分类详解](https://blog.csdn.net/feather_wch/article/details/52043153#分类详解)

[Java并发/异步](https://blog.csdn.net/feather_wch/article/details/52043153#java并发异步)

[Kotlin](https://blog.csdn.net/feather_wch/article/details/52043153#kotlin)

[Kotlin官方文档-翻译](https://blog.csdn.net/feather_wch/article/details/52043153#kotlin官方文档-翻译)

[Kotlin in Action《Kotlin实战》](https://blog.csdn.net/feather_wch/article/details/52043153#kotlin-in-actionkotlin实战)

[三、Framework](https://blog.csdn.net/feather_wch/article/details/52043153#三framework)

[Handler](https://blog.csdn.net/feather_wch/article/details/52043153#handler)

[组件](https://blog.csdn.net/feather_wch/article/details/52043153#组件)

[Applicaiton](https://blog.csdn.net/feather_wch/article/details/52043153#applicaiton)

[Activity](https://blog.csdn.net/feather_wch/article/details/52043153#activity)

[基本使用](https://blog.csdn.net/feather_wch/article/details/52043153#基本使用)

[生命周期和启动模式](https://blog.csdn.net/feather_wch/article/details/52043153#生命周期和启动模式)

[原理机制](https://blog.csdn.net/feather_wch/article/details/52043153#原理机制)

[Service](https://blog.csdn.net/feather_wch/article/details/52043153#service)

[Content Provider](https://blog.csdn.net/feather_wch/article/details/52043153#content-provider)

[Broadcast](https://blog.csdn.net/feather_wch/article/details/52043153#broadcast)

[Fragment](https://blog.csdn.net/feather_wch/article/details/52043153#fragment)

[源码机制](https://blog.csdn.net/feather_wch/article/details/52043153#源码机制)

[基本使用](https://blog.csdn.net/feather_wch/article/details/52043153#基本使用-1)

[开源库](https://blog.csdn.net/feather_wch/article/details/52043153#开源库-1)

[Window](https://blog.csdn.net/feather_wch/article/details/52043153#window)

[RemoteViews](https://blog.csdn.net/feather_wch/article/details/52043153#remoteviews)

[刷新机制](https://blog.csdn.net/feather_wch/article/details/52043153#刷新机制)

[四、架构](https://blog.csdn.net/feather_wch/article/details/52043153#四架构)

[路由](https://blog.csdn.net/feather_wch/article/details/52043153#路由)

[插件化](https://blog.csdn.net/feather_wch/article/details/52043153#插件化)

[五、网络](https://blog.csdn.net/feather_wch/article/details/52043153#五网络)

[Socket](https://blog.csdn.net/feather_wch/article/details/52043153#socket)

[Wifi](https://blog.csdn.net/feather_wch/article/details/52043153#wifi)

[NIO和IO](https://blog.csdn.net/feather_wch/article/details/52043153#nio和io)

[Http](https://blog.csdn.net/feather_wch/article/details/52043153#http)

[六、多进程](https://blog.csdn.net/feather_wch/article/details/52043153#六多进程)

[七、多线程](https://blog.csdn.net/feather_wch/article/details/52043153#七多线程)

[线程池](https://blog.csdn.net/feather_wch/article/details/52043153#线程池)

[AsyncTask](https://blog.csdn.net/feather_wch/article/details/52043153#asynctask)

[HandlerThread](https://blog.csdn.net/feather_wch/article/details/52043153#handlerthread)

[IntentService](https://blog.csdn.net/feather_wch/article/details/52043153#intentservice)

[八、资深UI](https://blog.csdn.net/feather_wch/article/details/52043153#八资深ui)

[布局](https://blog.csdn.net/feather_wch/article/details/52043153#布局)

[ConstraintLayout](https://blog.csdn.net/feather_wch/article/details/52043153#constraintlayout)

[CoordinatorLayout](https://blog.csdn.net/feather_wch/article/details/52043153#coordinatorlayout)

[显示](https://blog.csdn.net/feather_wch/article/details/52043153#显示)

[颜色](https://blog.csdn.net/feather_wch/article/details/52043153#颜色)

[字体](https://blog.csdn.net/feather_wch/article/details/52043153#字体)

[沉浸式](https://blog.csdn.net/feather_wch/article/details/52043153#沉浸式)

[图片](https://blog.csdn.net/feather_wch/article/details/52043153#图片)

[nine-patch](https://blog.csdn.net/feather_wch/article/details/52043153#nine-patch)

[Bitmap](https://blog.csdn.net/feather_wch/article/details/52043153#bitmap)

[View](https://blog.csdn.net/feather_wch/article/details/52043153#view)

[XML解析](https://blog.csdn.net/feather_wch/article/details/52043153#xml解析)

[滑动](https://blog.csdn.net/feather_wch/article/details/52043153#滑动)

[GestureDetector](https://blog.csdn.net/feather_wch/article/details/52043153#gesturedetector)

[事件分发](https://blog.csdn.net/feather_wch/article/details/52043153#事件分发)

[工作原理](https://blog.csdn.net/feather_wch/article/details/52043153#工作原理)

[自定义](https://blog.csdn.net/feather_wch/article/details/52043153#自定义)

[Drawable](https://blog.csdn.net/feather_wch/article/details/52043153#drawable)

[Bitmap](https://blog.csdn.net/feather_wch/article/details/52043153#bitmap-1)

[绘图](https://blog.csdn.net/feather_wch/article/details/52043153#绘图)

[Matrix](https://blog.csdn.net/feather_wch/article/details/52043153#matrix)

[Path](https://blog.csdn.net/feather_wch/article/details/52043153#path)

[动画](https://blog.csdn.net/feather_wch/article/details/52043153#动画)

[九、开源库和第三方](https://blog.csdn.net/feather_wch/article/details/52043153#九开源库和第三方)

[开源库](https://blog.csdn.net/feather_wch/article/details/52043153#开源库-2)

[GreenDao](https://blog.csdn.net/feather_wch/article/details/52043153#greendao)

[OkHttp](https://blog.csdn.net/feather_wch/article/details/52043153#okhttp)

[异常](https://blog.csdn.net/feather_wch/article/details/52043153#异常-1)

[框架原理](https://blog.csdn.net/feather_wch/article/details/52043153#框架原理)

[第三方](https://blog.csdn.net/feather_wch/article/details/52043153#第三方)

[Twitter](https://blog.csdn.net/feather_wch/article/details/52043153#twitter)

[Facebook](https://blog.csdn.net/feather_wch/article/details/52043153#facebook)

[开源库](https://blog.csdn.net/feather_wch/article/details/52043153#开源库-3)

[十、数据结构和算法](https://blog.csdn.net/feather_wch/article/details/52043153#十数据结构和算法)

[十一、混合开发](https://blog.csdn.net/feather_wch/article/details/52043153#十一混合开发)

[十二、底层开发](https://blog.csdn.net/feather_wch/article/details/52043153#十二底层开发)

[JNI/NDK](https://blog.csdn.net/feather_wch/article/details/52043153#jnindk)

[十三、设计模式](https://blog.csdn.net/feather_wch/article/details/52043153#十三设计模式)

[代理模式](https://blog.csdn.net/feather_wch/article/details/52043153#代理模式)

[迭代器和组合模式](https://blog.csdn.net/feather_wch/article/details/52043153#迭代器和组合模式)

[策略模式](https://blog.csdn.net/feather_wch/article/details/52043153#策略模式)

[命令模式](https://blog.csdn.net/feather_wch/article/details/52043153#命令模式)

[模板方法模式](https://blog.csdn.net/feather_wch/article/details/52043153#模板方法模式)

[复合模式](https://blog.csdn.net/feather_wch/article/details/52043153#复合模式)

[十四、综合技术](https://blog.csdn.net/feather_wch/article/details/52043153#十四综合技术)

[换肤](https://blog.csdn.net/feather_wch/article/details/52043153#换肤)

[性能优化](https://blog.csdn.net/feather_wch/article/details/52043153#性能优化)

[内存泄漏](https://blog.csdn.net/feather_wch/article/details/52043153#内存泄漏)

[LeakCanary](https://blog.csdn.net/feather_wch/article/details/52043153#leakcanary)

[适配](https://blog.csdn.net/feather_wch/article/details/52043153#适配)

[推送](https://blog.csdn.net/feather_wch/article/details/52043153#推送)

[权限](https://blog.csdn.net/feather_wch/article/details/52043153#权限)

[十五、控件](https://blog.csdn.net/feather_wch/article/details/52043153#十五控件)

[进阶控件](https://blog.csdn.net/feather_wch/article/details/52043153#进阶控件)

[列表](https://blog.csdn.net/feather_wch/article/details/52043153#列表)

[RecyclerView](https://blog.csdn.net/feather_wch/article/details/52043153#recyclerview)

[ListView](https://blog.csdn.net/feather_wch/article/details/52043153#listview)

[WebView](https://blog.csdn.net/feather_wch/article/details/52043153#webview)

[SurfaceView](https://blog.csdn.net/feather_wch/article/details/52043153#surfaceview)

[基础控件](https://blog.csdn.net/feather_wch/article/details/52043153#基础控件)

[TextView](https://blog.csdn.net/feather_wch/article/details/52043153#textview)

[ImageView](https://blog.csdn.net/feather_wch/article/details/52043153#imageview)

[Toast](https://blog.csdn.net/feather_wch/article/details/52043153#toast)

[EditText](https://blog.csdn.net/feather_wch/article/details/52043153#edittext)

[NumberPicker](https://blog.csdn.net/feather_wch/article/details/52043153#numberpicker)

[Notification](https://blog.csdn.net/feather_wch/article/details/52043153#notification)

[Radiogroup、Radiobutton](https://blog.csdn.net/feather_wch/article/details/52043153#radiogroupradiobutton)

[弹窗](https://blog.csdn.net/feather_wch/article/details/52043153#弹窗)

[PopupWindow](https://blog.csdn.net/feather_wch/article/details/52043153#popupwindow)

[Dialog](https://blog.csdn.net/feather_wch/article/details/52043153#dialog)

[Spinner](https://blog.csdn.net/feather_wch/article/details/52043153#spinner)

[HorizontalScrollView](https://blog.csdn.net/feather_wch/article/details/52043153#horizontalscrollview)

[ProgressBar](https://blog.csdn.net/feather_wch/article/details/52043153#progressbar)

[ExpandableListView](https://blog.csdn.net/feather_wch/article/details/52043153#expandablelistview)

[GridView](https://blog.csdn.net/feather_wch/article/details/52043153#gridview)

[Material Design](https://blog.csdn.net/feather_wch/article/details/52043153#material-design)

[Rectange Button](https://blog.csdn.net/feather_wch/article/details/52043153#rectange-button)

[Palette](https://blog.csdn.net/feather_wch/article/details/52043153#palette)

[Cardview](https://blog.csdn.net/feather_wch/article/details/52043153#cardview)

[下拉刷新](https://blog.csdn.net/feather_wch/article/details/52043153#下拉刷新)

[ViewPager](https://blog.csdn.net/feather_wch/article/details/52043153#viewpager)

[SpannableString](https://blog.csdn.net/feather_wch/article/details/52043153#spannablestring)

[DrawerLayout、NavigationView](https://blog.csdn.net/feather_wch/article/details/52043153#drawerlayoutnavigationview)

[SlidingPaneLayout](https://blog.csdn.net/feather_wch/article/details/52043153#slidingpanelayout)

[ImageSwitcher](https://blog.csdn.net/feather_wch/article/details/52043153#imageswitcher)

[ViewFlipper](https://blog.csdn.net/feather_wch/article/details/52043153#viewflipper)

[十六、杂项](https://blog.csdn.net/feather_wch/article/details/52043153#十六杂项)

[复用池](https://blog.csdn.net/feather_wch/article/details/52043153#复用池)

[Java](https://blog.csdn.net/feather_wch/article/details/52043153#java-2)

**猎羽**

**人不可一日无书**

人不可一日无书

[Android书籍汇总](http://blog.csdn.net/feather_wch/article/details/79487060)

[设计书籍推荐](http://blog.csdn.net/feather_wch/article/details/52129406)

**Android**

|  |  |  |
| --- | --- | --- |
| 书名 | 级别 | 评价 |
| Android群英传 | 初级 | 涉及到各种进阶知识，但也没有过于深入的讲解。 |
| Android开发艺术探索 | 中级-高级 | 从源码层面去探索底层机制。建议自己主动进入源码配合该书进行学习。极度推荐。 |
| Android进阶之光 | 中级-高级 | 讲解各种开源库的源码机制、多线程、网络、多媒体方面的内容。会有很大收获，但是有些地方也不是足够深入，需要配合网络资料深入探究。 |

**设计模式**

|  |  |  |
| --- | --- | --- |
| 书名 | 级别 | 评价 |
| Head First 设计模式 | 入门级 | 非常生动形象易于理解，推荐作为第一本书。 |

**收藏的资料**

近期发现比较有价值且即将学习的资料。

[高级Andorid工程师学习网站](http://hencoder.com/)

[个人Android知识储备](http://blog.csdn.net/feather_wch/article/details/79653507)

**个人库**

[完全关闭应用程序](http://blog.csdn.net/feather_wch/article/details/51360774)

[自制简易QQ](http://blog.csdn.net/feather_wch/article/details/52046835)

**专题**

**Java**

[Java百题大全](http://blog.csdn.net/feather_wch/article/details/78733436)

**Android面试题**

[Android面试题-基础杂题(18题)](https://blog.csdn.net/feather_wch/article/details/81135996)

[Android面试题-消息机制(22题)](https://blog.csdn.net/feather_wch/article/details/81136078)

[Android面试题-四大组件](https://blog.csdn.net/feather_wch/article/details/81136168)

[Android面试题-View(126题)](https://blog.csdn.net/feather_wch/article/details/81136256)

[Android面试题-IPC](https://blog.csdn.net/feather_wch/article/details/81136290)

[Android面试题-多线程(72题)](https://blog.csdn.net/feather_wch/article/details/81207725)

[Android面试题-Window和WindowManager(26题)](https://blog.csdn.net/feather_wch/article/details/81437056)

[Android面试题-刷新机制](https://blog.csdn.net/feather_wch/article/details/81437689)

[Android面试题-RemoteView](https://blog.csdn.net/feather_wch/article/details/81463442)

[Android面试题-架构MVC/MVP/MVVM](https://blog.csdn.net/feather_wch/article/details/81282033)

[WebView面试题](https://blog.csdn.net/feather_wch/article/details/82292061)

**思维导图版**

[Android Drawable详解-思维导图版](https://blog.csdn.net/feather_wch/article/details/81323228)

[Android 滑动详解-思维导图版](https://blog.csdn.net/feather_wch/article/details/81323233)

[Android 绘图详解-思维导图版](https://blog.csdn.net/feather_wch/article/details/81323246)

[Android View工作原理-思维导图版](https://blog.csdn.net/feather_wch/article/details/81503742)

[Android View事件分发-思维导图版](https://blog.csdn.net/feather_wch/article/details/81503716)

[Android 动画详解-思维导图版](https://blog.csdn.net/feather_wch/article/details/81503233)

**设计模式**

[设计模式百题大全](http://blog.csdn.net/feather_wch/article/details/78674418)

**Head First 设计模式**

[策略模式](http://blog.csdn.net/feather_wch/article/details/78532998)

[观察者模式](http://blog.csdn.net/feather_wch/article/details/78538902)

[装饰者模式](http://blog.csdn.net/feather_wch/article/details/78490144)

[工厂模式](http://blog.csdn.net/feather_wch/article/details/78500923)

[单件模式](http://blog.csdn.net/feather_wch/article/details/78517568)

[命令模式](http://blog.csdn.net/feather_wch/article/details/78518780)

[适配器模式和外观模式](http://blog.csdn.net/feather_wch/article/details/78559517)

[模板方法模式](http://blog.csdn.net/feather_wch/article/details/78593601)

[迭代器和组合模式](http://blog.csdn.net/feather_wch/article/details/78623512)

[状态模式](http://blog.csdn.net/feather_wch/article/details/78647901)

[代理模式](http://blog.csdn.net/feather_wch/article/details/78658445)

[复合模式](http://blog.csdn.net/feather_wch/article/details/78667653)

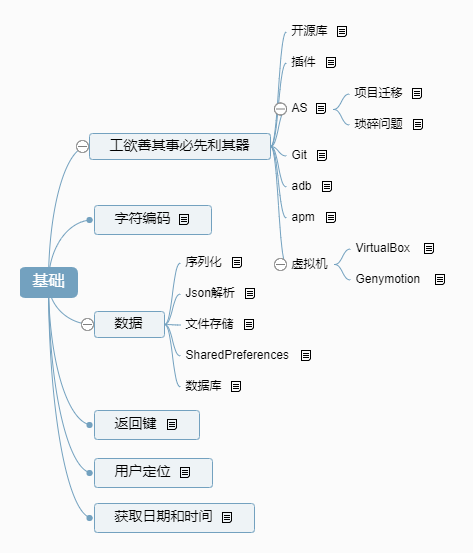
**Android群英传**

[Android群英传 第一章-体系与系统架构](https://blog.csdn.net/feather_wch/article/details/52229098)

[Android群英传 第二章-ADB](https://blog.csdn.net/feather_wch/article/details/52229104)

**Android艺术探索**

**工欲善其事必先利其器**



基础

**开源库**

[Android最优质开源库大全](http://blog.csdn.net/feather_wch/article/details/51089115)

**插件**

[Android优质开发工具、插件和网站汇总](https://blog.csdn.net/feather_wch/article/details/79981745)

**AS**

[Android Studio使用技巧和快捷键汇总](http://blog.csdn.net/feather_wch/article/details/78713144)

**项目迁移**

[Android studio 2.3 迁移项目到 3.0](http://blog.csdn.net/feather_wch/article/details/78836812)

**琐碎问题**

[Android Studio下载，SDK下载以及代理](http://blog.csdn.net/feather_wch/article/details/50538598)

[[Learn Android Studio 汉化教程]第一章 : Android Studio 介绍](http://blog.csdn.net/feather_wch/article/details/50538620)

[Android Studio中文注释乱码解决方法](http://blog.csdn.net/feather_wch/article/details/50540279)

[閿欒: 缂栫爜UTF-8鐨勪笉鍙槧灏勫瓧绗? Android studio乱码](http://blog.csdn.net/feather_wch/article/details/50541019)

[Android Studio添加依赖时出现“Manifest merger failed”](http://blog.csdn.net/feather_wch/article/details/50933904)

[获取签名和android studio设置签名](http://blog.csdn.net/feather_wch/article/details/51241718)

[this document contains very long lines](http://blog.csdn.net/feather_wch/article/details/51251578)

[开发工具集合](http://blog.csdn.net/feather_wch/article/details/52067601)

[Android Studio 找不到设备](http://blog.csdn.net/feather_wch/article/details/52229027)

[开发可能用到的SDK和库](http://blog.csdn.net/feather_wch/article/details/52229215)

[Android Studio com.android.dex.DexException: Multiple dex files define(重复引用包)](http://blog.csdn.net/feather_wch/article/details/52231937)

[ADB-《Android群英传》](http://blog.csdn.net/feather_wch/article/details/52229104)

[SDK中重要的pacakages（包）](http://blog.csdn.net/feather_wch/article/details/51206170)

[androidmanifest.xml](http://blog.csdn.net/feather_wch/article/details/52229391)

**Git**

[Git必须掌握的基本操作](http://blog.csdn.net/feather_wch/article/details/78657362)

[git push you are not allowed to upload merges](http://blog.csdn.net/feather_wch/article/details/79231323)

**adb**

[Android群英传 第二章-ADB](https://blog.csdn.net/feather_wch/article/details/52229104)

**apm**

[apm install 没反应](http://blog.csdn.net/feather_wch/article/details/79184614)

**虚拟机**

**VirtualBox**

[Unable to start the virtual device. VirtualBox cannot start the virtual device.](http://blog.csdn.net/feather_wch/article/details/79184622)

**Genymotion**

[Genymotion安装使用教程详解](http://blog.csdn.net/feather_wch/article/details/79184631)

[Genymotion出现错误INSTALL\_FAILED\_CPU\_ABI\_INCOMPATIBLE](http://blog.csdn.net/feather_wch/article/details/52254196)

**一、基础**

[Android面试题-基础杂题(18题)](https://blog.csdn.net/feather_wch/article/details/81135996)

**字符编码**

[字符编码](https://blog.csdn.net/feather_wch/article/details/79799718)

**数据**

**序列化**

[Parcelable](http://blog.csdn.net/feather_wch/article/details/52083229)

[反序列化报错：E/Parcel: Class not found when unmarshalling](https://blog.csdn.net/feather_wch/article/details/79743700)

**Json解析**

[json解析简单示例](http://blog.csdn.net/feather_wch/article/details/51235244)

[gson使用](http://blog.csdn.net/feather_wch/article/details/51416998)

[通过JSON保存数据](http://blog.csdn.net/feather_wch/article/details/51894677)

**文件存储**

[读写文件(内存,sd等多种)](http://blog.csdn.net/feather_wch/article/details/50519908)

**SharedPreferences**

[SharedPreferences](http://blog.csdn.net/feather_wch/article/details/51013629)

**数据库**

[Sqlite在android中的使用](http://blog.csdn.net/feather_wch/article/details/51014089)

[SQLite如何判断表是否存在](http://blog.csdn.net/feather_wch/article/details/51046180)

[数据库SQLite错误汇总](http://blog.csdn.net/feather_wch/article/details/52229242)

[SQLite日期存储](http://blog.csdn.net/feather_wch/article/details/52254135)

**返回键**

[返回键的捕获](http://blog.csdn.net/feather_wch/article/details/50485400)

**用户定位**

[用户定位](http://blog.csdn.net/feather_wch/article/details/51329411)

**获取日期和时间**

[Android获得当前日期和时间的方法](http://blog.csdn.net/feather_wch/article/details/51046109)

**URI、URL**

[Android中的URI、URL、URN、Uri](https://blog.csdn.net/feather_wch/article/details/79416504)

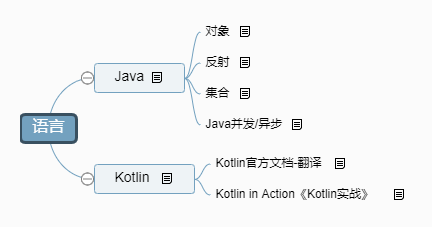
**IntentFilter**

[IntentFilter](https://blog.csdn.net/feather_wch/article/details/50485409)

**Base64、AES**

[Base64编码和AES加密](https://blog.csdn.net/feather_wch/article/details/82594685)

**二、语言**



语言

**Java**

[判断字符串是数字、中文还是字母的方法](http://blog.csdn.net/feather_wch/article/details/51413541)

[Java for Android](http://blog.csdn.net/feather_wch/article/details/51448724)

[java命名规范](http://blog.csdn.net/feather_wch/article/details/51448724)

[ByteBuffer.allocate()、BufferUnderflowException](http://blog.csdn.net/feather_wch/article/details/50490402)

[float小数点内2位](http://blog.csdn.net/feather_wch/article/details/51437364)

**语言基础**

[Object](https://blog.csdn.net/feather_wch/article/details/52254111)

[final、finally、finalize的区别](https://blog.csdn.net/feather_wch/article/details/82152236)

[Java引用类型](https://blog.csdn.net/feather_wch/article/details/82383183)

[String、StringBuilder、StringBuffer详解](https://blog.csdn.net/feather_wch/article/details/82389184)

[int和Integer](https://blog.csdn.net/feather_wch/article/details/50402042)

**动态代理**

[动态代理](https://blog.csdn.net/feather_wch/article/details/51721514)

**JVM**

[Java代码是怎么运行的？](https://blog.csdn.net/feather_wch/article/details/82320200)

[Android虚拟机基本知识(JVM\DVM\ART\JIT)](https://blog.csdn.net/feather_wch/article/details/79800614)

[Android中的堆栈-android:largeHeap=”true”](https://blog.csdn.net/feather_wch/article/details/79801163)

**基本数据类型**

[基本数据类型](https://blog.csdn.net/feather_wch/article/details/50445552)

**类加载机制**

[JVM类加载机制](https://blog.csdn.net/feather_wch/article/details/81672834)

**方法调用**

[JVM中的方法调用](https://blog.csdn.net/feather_wch/article/details/82564060)

**异常**

[异常详解](https://blog.csdn.net/feather_wch/article/details/78724276)

**对象**

对象

[万物皆对象-《Think in java》第二章](http://blog.csdn.net/feather_wch/article/details/78732773)

内部类、静态类区别

集合

注解-[Java Annotation简述](http://blog.csdn.net/feather_wch/article/details/78713109)

泛型-[java泛型](http://blog.csdn.net/feather_wch/article/details/78731737)

异常-[java异常处理](http://blog.csdn.net/feather_wch/article/details/78724276)

IO-[javaIO](http://blog.csdn.net/feather_wch/article/details/78745026)

**反射**

[Java 反射详解(68题)](https://blog.csdn.net/feather_wch/article/details/81771443)

[java反射](http://blog.csdn.net/feather_wch/article/details/78719833)

**集合**

[Collection详解](https://blog.csdn.net/feather_wch/article/details/82500481)

[Map详解](https://blog.csdn.net/feather_wch/article/details/82500561)

[concurrent集合](https://blog.csdn.net/feather_wch/article/details/82500588)

**分类详解**

[HashMap详解](https://blog.csdn.net/feather_wch/article/details/81351151)

[SparseArray](https://blog.csdn.net/feather_wch/article/details/81538653)

**Java并发/异步**

[Java 多线程](https://blog.csdn.net/feather_wch/article/details/81638230)

同步锁synchronized与Lock区别

什么是可重入锁

线程通信方式

wait和sleep区别

wait-notify模型

生产者消费者模型

线程池

**Kotlin**

[Kotlin](http://blog.csdn.net/feather_wch/article/details/78875794)

**Kotlin官方文档-翻译**

[Kotlin-1.1-基本类型](http://blog.csdn.net/feather_wch/article/details/78783542)

[Kotlin-1.2-包和导入](http://blog.csdn.net/feather_wch/article/details/78828662)

[Kotlin-1.3-控制流程(if, when, for, while)](http://blog.csdn.net/feather_wch/article/details/78848660)

[Kotlin-1.4-返回和跳转](http://blog.csdn.net/feather_wch/article/details/78833759)

[Kotlin-2.1-类和继承](http://blog.csdn.net/feather_wch/article/details/78846996)

[Kotlin-2.2-属性和字段](http://blog.csdn.net/feather_wch/article/details/78848649)

[Kotlin-2.3-接口](http://blog.csdn.net/feather_wch/article/details/78855941)

[Kotlin-2.4-可见性修饰符](http://blog.csdn.net/feather_wch/article/details/78855958)

[Kotlin-2.5-扩展](http://blog.csdn.net/feather_wch/article/details/78855969)

[Kotlin(2.7)密封类](http://blog.csdn.net/feather_wch/article/details/78867597)

[Kotlin(2.8)泛型](http://blog.csdn.net/feather_wch/article/details/78867609)

[Kotlin(2.12)代理](http://blog.csdn.net/feather_wch/article/details/78875778)

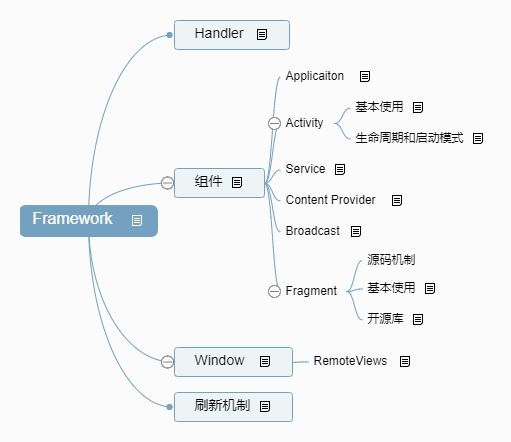
[Kotlin(2.13)代理属性](http://blog.csdn.net/feather_wch/article/details/78875789)

**Kotlin in Action《Kotlin实战》**

[Kotlin(一)基础篇](http://blog.csdn.net/feather_wch/article/details/78946814)

[Kotlin(二)函数](http://blog.csdn.net/feather_wch/article/details/78990862)

**三、Framework**



FrameWork

[体系与系统架构](http://blog.csdn.net/feather_wch/article/details/52229098)

**Handler**

[Android面试题-Handler消息机制(50题)](https://blog.csdn.net/feather_wch/article/details/81136078)

[Handler消息机制详解](http://blog.csdn.net/feather_wch/article/details/79263855)

**组件**

[Android面试题-四大组件](https://blog.csdn.net/feather_wch/article/details/81136168)

[Android四大组件机制详解](http://blog.csdn.net/feather_wch/article/details/79219316)

[IntentFilter](https://blog.csdn.net/feather_wch/article/details/50485409)

**Applicaiton**

[application](http://blog.csdn.net/feather_wch/article/details/52229167)

**Activity**

**基本使用**

[activity去除标题栏title](http://blog.csdn.net/feather_wch/article/details/50933891)

[activity去除标题后activity崩溃](http://blog.csdn.net/feather_wch/article/details/50963897)

[禁止横竖屏切换、设置横屏](http://blog.csdn.net/feather_wch/article/details/51272282)

**生命周期和启动模式**

[Activity的生命周期和启动模式](http://blog.csdn.net/feather_wch/article/details/79279307)

**原理机制**

[Activity原理详解](https://blog.csdn.net/feather_wch/article/details/50302185)

**Service**

[Service原理详解](https://blog.csdn.net/feather_wch/article/details/50300853)

[Service基本内容](http://blog.csdn.net/feather_wch/article/details/50397355)

[IntentService详解](https://blog.csdn.net/feather_wch/article/details/82557043)

**Content Provider**

[ContentProvider详解](https://blog.csdn.net/feather_wch/article/details/52035228)

**Broadcast**

[BroadcastReceiver详解](http://blog.csdn.net/feather_wch/article/details/50397199)

[unregisterReceiver报错处理（注销广播）](http://blog.csdn.net/feather_wch/article/details/50485391)

**Fragment**

**源码机制**

**基本使用**

[Android Fragment详解](http://blog.csdn.net/feather_wch/article/details/79462351)

[Fragmen中WebView进行回退](http://blog.csdn.net/feather_wch/article/details/79391699)

[Fragment](http://blog.csdn.net/feather_wch/article/details/50357655)

[Fragment与activity通信](http://blog.csdn.net/feather_wch/article/details/50401029)

[Fragment中findViewById为null](http://blog.csdn.net/feather_wch/article/details/50404428)

[让多个fragment切换时不被实例化](http://blog.csdn.net/feather_wch/article/details/50485405)

[Android应用经典主界面框架之一:仿QQ (使用Fragment, 附源码)](http://blog.csdn.net/feather_wch/article/details/51009885)

[Fragment中使用listview](http://blog.csdn.net/feather_wch/article/details/51135551)

**开源库**

[Android Fragmentation](http://blog.csdn.net/feather_wch/article/details/79531292)

**Window**

[Android面试题-Window和WindowManager(26题)](https://blog.csdn.net/feather_wch/article/details/81437056)

[Window和WindowManager知识点深入解析](http://blog.csdn.net/feather_wch/article/details/79186967)

**RemoteViews**

[Android面试题-RemoteView](https://blog.csdn.net/feather_wch/article/details/81463442)

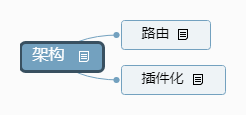
[Android中RemoteViews应用与原理：通知栏和桌面小部件](http://blog.csdn.net/feather_wch/article/details/79175518)

**刷新机制**

[Android面试题-刷新机制](https://blog.csdn.net/feather_wch/article/details/81437689)

[Android的刷新机制原理详解](https://blog.csdn.net/feather_wch/article/details/79720907)

**四、架构**



架构

[MVC、MVP、MVVM详解](https://blog.csdn.net/feather_wch/article/details/79729132)

[Android Data Binding](https://blog.csdn.net/feather_wch/article/details/79789597)

AOP面向切面编程，在不入侵代码的同时添加功能

路由-流行组件化

**路由**

[Android 路由](https://blog.csdn.net/feather_wch/article/details/81605300)

**插件化**

插件化需要掌握：

类加载机制

四大组件启动流程

资源加载

动态代理

[Android 插件化](https://blog.csdn.net/feather_wch/article/details/81608967)

**五、网络**

[Android网络基础(134题)](https://blog.csdn.net/feather_wch/article/details/79643743)

七层模型

HTTP内容

常见响应码

缓存相关

TCP三次握手、四次挥手

Socket的使用

**Socket**

[Socket](http://blog.csdn.net/feather_wch/article/details/50366532)

[SocketChannel的read值为0](http://blog.csdn.net/feather_wch/article/details/50490526)

**Wifi**

[wifi功能](http://blog.csdn.net/feather_wch/article/details/50489099)

**NIO和IO**

[NIO和IO](http://blog.csdn.net/feather_wch/article/details/50489657)

**Http**

[http操作](http://blog.csdn.net/feather_wch/article/details/51320644)

**六、多进程**

[Android进程间通信(IPC)](http://blog.csdn.net/feather_wch/article/details/79190230)

[Binder机制详解](http://blog.csdn.net/feather_wch/article/details/79415202)

[Binder连接池的实现](http://blog.csdn.net/feather_wch/article/details/79425955)

**七、多线程**

[Android中的同步与Mutex](http://blog.csdn.net/feather_wch/article/details/50563564)

[多线程和Handler](http://blog.csdn.net/feather_wch/article/details/50354032)

[终止多线程的方法](http://blog.csdn.net/feather_wch/article/details/50403161)

[Android多线程](http://blog.csdn.net/feather_wch/article/details/79132183)

**线程池**

[Android线程池的使用](http://blog.csdn.net/feather_wch/article/details/79451964)

**AsyncTask**

[AsyncTask详解](http://blog.csdn.net/feather_wch/article/details/51504255)

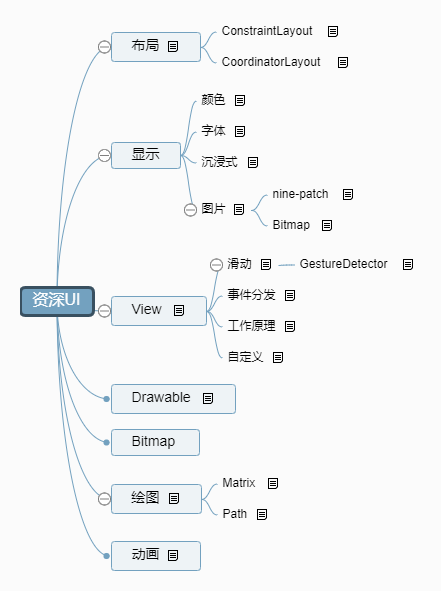
**HandlerThread**

[HandlerThread详解](https://blog.csdn.net/feather_wch/article/details/82556153)

**IntentService**

[IntentService详解](https://blog.csdn.net/feather_wch/article/details/82557043)

**八、资深UI**



UI

**布局**

[布局初步（上）](http://blog.csdn.net/feather_wch/article/details/50314175)

[布局初步（下）](http://blog.csdn.net/feather_wch/article/details/50331847)

**ConstraintLayout**

[ConstraintLayout](http://blog.csdn.net/feather_wch/article/details/79585647)

**CoordinatorLayout**

[CoordinatorLayout、AppbarLayout和CollapsingToolbarLayout](https://blog.csdn.net/feather_wch/article/details/80021699)

**显示**

**颜色**

[渐变色](http://blog.csdn.net/feather_wch/article/details/50380011)

[setTextColor的三种方法](http://blog.csdn.net/feather_wch/article/details/50462150)

[获得并设置textview的颜色，getcolor已过时的替代用法](http://blog.csdn.net/feather_wch/article/details/50601908)

[Android颜色](http://blog.csdn.net/feather_wch/article/details/78785579)

**字体**

[android使用自定义字体](http://blog.csdn.net/feather_wch/article/details/50986857)

**沉浸式**

[通知栏颜色和APP一致](http://blog.csdn.net/feather_wch/article/details/51002737)

**图片**

[从sd卡中显示一个图片](http://blog.csdn.net/feather_wch/article/details/50519767)

[图片的异步加载](http://blog.csdn.net/feather_wch/article/details/51327529)

[加载网络图片-radiobutton、imageview](http://blog.csdn.net/feather_wch/article/details/51968330)

**nine-patch**

[android .9.png](http://blog.csdn.net/feather_wch/article/details/52229066)

**Bitmap**

[Bitmap的加载和Cache](http://blog.csdn.net/feather_wch/article/details/79457395)

**View**

[View、ViewGroup的测量和绘制](http://blog.csdn.net/feather_wch/article/details/52229179)

[User Interface](http://blog.csdn.net/feather_wch/article/details/51233511)

[UI](http://blog.csdn.net/feather_wch/article/details/51569283)

**XML解析**

[通过XML创建View的原理](https://blog.csdn.net/feather_wch/article/details/79900081)

**滑动**

[Scroll滑动分析-《Android群英传》第五章](https://blog.csdn.net/feather_wch/article/details/78679327)

**GestureDetector**

[GestureDetector监听各种手势](http://blog.csdn.net/feather_wch/article/details/51537027)

**事件分发**

[View的事件体系](http://blog.csdn.net/feather_wch/article/details/78955689)

**工作原理**

[Android View的工作原理](http://blog.csdn.net/feather_wch/article/details/79080571)

**自定义**

[Android群英传 第三章2-自定义View、控件](https://blog.csdn.net/feather_wch/article/details/52229198)

**Drawable**

[Android中的Drawable基础与自定义Drawable](http://blog.csdn.net/feather_wch/article/details/79124608)

**Bitmap**

**绘图**

[Android绘图机制知识点汇总](http://blog.csdn.net/feather_wch/article/details/79210109)

绘图机制和处理技巧-《Android群英传》第六章

[Android的绘制详解](https://blog.csdn.net/feather_wch/article/details/79783182)

**Matrix**

[Matrix详解](http://blog.csdn.net/feather_wch/article/details/79622095)

[Matrix的注意点](https://blog.csdn.net/feather_wch/article/details/79657772)

**Path**

[Path动画实战](https://blog.csdn.net/feather_wch/article/details/79991218)

**动画**

[Android 动画详解-思维导图版](https://blog.csdn.net/feather_wch/article/details/81503233)

[Android动画深入分析-知识点大全](http://blog.csdn.net/feather_wch/article/details/79153727)

[动画机制和处理技巧-《Android群英传》第七章](http://blog.csdn.net/feather_wch/article/details/78625945)

[Android中的拖拽](https://blog.csdn.net/feather_wch/article/details/79736307)

[属性动画详解](https://blog.csdn.net/feather_wch/article/details/79807024)

[animation](http://blog.csdn.net/feather_wch/article/details/51093737)

**九、开源库和第三方**

**开源库**

**GreenDao**

[GreenDao](https://blog.csdn.net/feather_wch/article/details/81503652)

**OkHttp**

[OkHttp使用详解](http://blog.csdn.net/feather_wch/article/details/51009871)

[OkHttp源码详解](https://blog.csdn.net/feather_wch/article/details/82086146)

**异常**

[okhttp3.internal.http.RealResponseBody](https://blog.csdn.net/feather_wch/article/details/81407581)

**框架原理**

|  |  |
| --- | --- |
| 框架 | 源码与流程分析 |
| 1.RxJava |  |
| 2.Retrofit |  |
| 3.OkHttp |  |
| 4.Picasso/Glide |  |
| 5.EventBus3 | [EventBus要点和源码解析](http://blog.csdn.net/feather_wch/article/details/79042406) |

**第三方**

**Twitter**

[Android Twitter集成教程](http://blog.csdn.net/feather_wch/article/details/79612355)

[Twitter登陆报错: Desktop applications only support the oauth\_callback](http://blog.csdn.net/feather_wch/article/details/79612471)

**Facebook**

[Facebook Android集成和开发](http://blog.csdn.net/feather_wch/article/details/79585728)

**开源库**

1、开源库

[MPAndroidChart](http://blog.csdn.net/feather_wch/article/details/51002727)

[仿QQ5.0侧滑菜单ResideMenu](http://blog.csdn.net/feather_wch/article/details/51131148)

[ACharEngine实现图形绘制](http://blog.csdn.net/feather_wch/article/details/51487319)

[BezierView：仿QQ未读消息99+条的红色气泡](http://blog.csdn.net/feather_wch/article/details/51966507)

**十、数据结构和算法**

插入、冒泡、快速、归并

数组链表的区别、链表插入删除、栈及使用场景、队列以及使用场景(可能有阻塞队列)

红黑书、KMP、最短路径、动态规划、背包问题(进阶问题，了解即可)

**十一、混合开发**

**十二、底层开发**

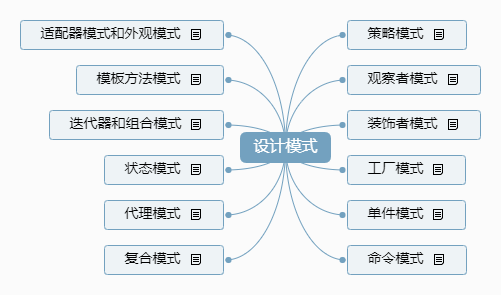
**JNI/NDK**

[JNI和NDK编程知识点](http://blog.csdn.net/feather_wch/article/details/79599270)

[JNI和NDK编程](http://blog.csdn.net/feather_wch/article/details/51910935)

[Android Stduio 3.0进行JNI和NDK开发](http://blog.csdn.net/feather_wch/article/details/79548978)

**十三、设计模式**



设计模式

[单例模式](http://blog.csdn.net/feather_wch/article/details/78517568)

[观察者模式](http://blog.csdn.net/feather_wch/article/details/78538902)

[工厂模式](http://blog.csdn.net/feather_wch/article/details/78500923)

[装饰者模式](http://blog.csdn.net/feather_wch/article/details/78490144)

[适配器模式](https://blog.csdn.net/feather_wch/article/details/78559517)

[外观模式](https://blog.csdn.net/feather_wch/article/details/50281655)

[状态模式](https://blog.csdn.net/feather_wch/article/details/78647901)

**代理模式**

[代理模式 《Head First 设计模式》](http://blog.csdn.net/feather_wch/article/details/78658445)

**迭代器和组合模式**

[迭代器和组合模式 《Head First 设计模式》](http://blog.csdn.net/feather_wch/article/details/78623512)

**策略模式**

[策略模式 《Head First 设计模式》](http://blog.csdn.net/feather_wch/article/details/78532998)

**命令模式**

[命令模式 《Head First 设计模式》](http://blog.csdn.net/feather_wch/article/details/78518780)

**模板方法模式**

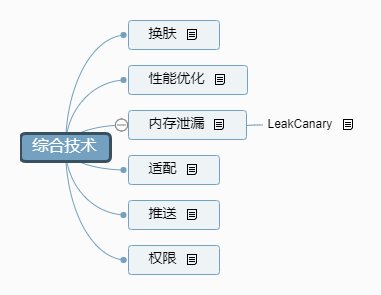
[模板方法模式 《Head First 设计模式》](http://blog.csdn.net/feather_wch/article/details/78593601)

**复合模式**

[复合模式 《Head First 设计模式》](http://blog.csdn.net/feather_wch/article/details/78667653)

单例(静态内部类和double-check的区别)、几种常用的设计模式使用场景。

**十四、综合技术**



综合技术

**换肤**

[Android换肤与原理](https://blog.csdn.net/feather_wch/article/details/79900081)

**性能优化**

[Android性能优化详解](https://blog.csdn.net/feather_wch/article/details/81538758)

[性能优化《Android群英传》第十章](http://blog.csdn.net/feather_wch/article/details/52652395)

[性能优化《Android开发艺术探索》](http://blog.csdn.net/feather_wch/article/details/79615455)

**内存泄漏**

[Android内存泄漏](http://blog.csdn.net/feather_wch/article/details/78289202)

**LeakCanary**

[LeakCanary使用教程](http://blog.csdn.net/feather_wch/article/details/79223776)

**适配**

[Android 适配归纳总结](https://blog.csdn.net/feather_wch/article/details/81484787)

[Android适配大全](http://blog.csdn.net/feather_wch/article/details/52254175)

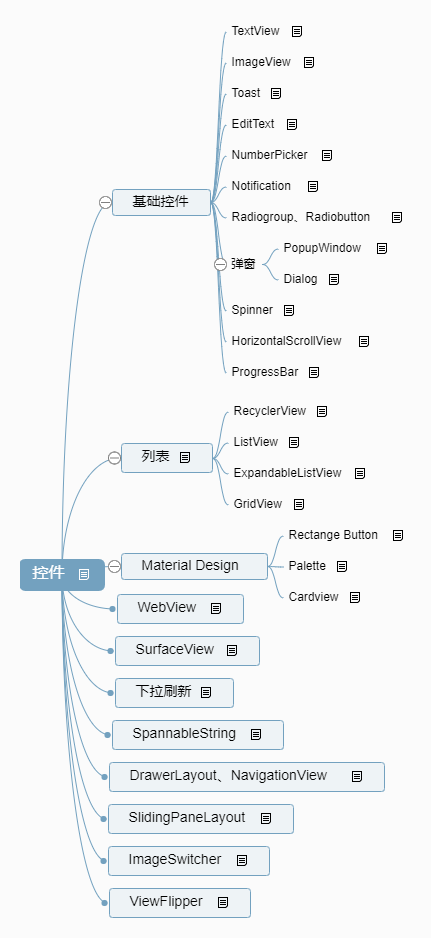
**推送**

[推送方案](https://blog.csdn.net/feather_wch/article/details/81605356)

**权限**

[Android 6.0 动态权限](https://blog.csdn.net/feather_wch/article/details/81483960)

**十五、控件**



控件

[Android群英传 第三章1-控件架构](https://blog.csdn.net/feather_wch/article/details/52229160)

**进阶控件**

**列表**

[RecyclerView和ListView原理](https://blog.csdn.net/feather_wch/article/details/81613313)

[RecyclerView和ListView基本使用](https://blog.csdn.net/feather_wch/article/details/79630459)

**RecyclerView**

[RecyclerView原理解析](https://blog.csdn.net/feather_wch/article/details/79932523)

**ListView**

[Listview的自定义](http://blog.csdn.net/feather_wch/article/details/50933858)

[ListView详解](http://blog.csdn.net/feather_wch/article/details/51721214)

[ListView的适配器Adapter](http://blog.csdn.net/feather_wch/article/details/51721514)

[Listview取消点击效果](http://blog.csdn.net/feather_wch/article/details/52305146)

**WebView**

[Android Uri详细知识点汇总](http://blog.csdn.net/feather_wch/article/details/79416504)

[Android中WebView与JS的交互](http://blog.csdn.net/feather_wch/article/details/79364349)

[WebView面试题](https://blog.csdn.net/feather_wch/article/details/82292061)

**SurfaceView**

[SurfaceView介绍和通用模板](http://blog.csdn.net/feather_wch/article/details/78615051)

**基础控件**

**TextView**

[给TextView设置图片的两种实现方法](http://blog.csdn.net/feather_wch/article/details/52304900)

**ImageView**

[圆形ImageView](http://blog.csdn.net/feather_wch/article/details/52008112)

[点击图片放大](http://blog.csdn.net/feather_wch/article/details/52045127)

[ImageView.ScaleType设置图解](http://blog.csdn.net/feather_wch/article/details/52254208)

[海报组的ImageView](http://blog.csdn.net/feather_wch/article/details/79585803)

[android-gif-drawable教程](http://blog.csdn.net/feather_wch/article/details/79558240)

**Toast**

[Toast大全-包括自定义等](http://blog.csdn.net/feather_wch/article/details/50489276)

**EditText**

[EditText不获取焦点和监听](http://blog.csdn.net/feather_wch/article/details/51320443)

[EditText限制输入字符类型的几种方式](http://blog.csdn.net/feather_wch/article/details/51985186)

[EditText如何判断为空](http://blog.csdn.net/feather_wch/article/details/52229185)

[EditText输入法如何不把选项卡顶上去](http://blog.csdn.net/feather_wch/article/category/6044033)

**NumberPicker**

[NumberPicker的使用、关闭可编辑模式](http://blog.csdn.net/feather_wch/article/details/50964019)

**Notification**

[Notification的多种用法](http://blog.csdn.net/feather_wch/article/details/51255534)

**Radiogroup、Radiobutton**

[RadioButton图片和图片尺寸](http://blog.csdn.net/feather_wch/article/details/51263891)

[FlowRadioGroup-自定义布局](http://blog.csdn.net/feather_wch/article/category/6044033)

**弹窗**

**PopupWindow**

[PopupWindow](http://blog.csdn.net/feather_wch/article/details/52229039)

**Dialog**

[AlertDialog使用和自定义](http://blog.csdn.net/feather_wch/article/details/52254154)

**Spinner**

[spinner下拉框和dialog](http://blog.csdn.net/feather_wch/article/details/51336770)

**HorizontalScrollView**

[侧滑菜单-自定义HorizaontalScrollView](http://blog.csdn.net/feather_wch/article/details/52254349)

**ProgressBar**

[ProgressBar实现各种效果的圆形进度](http://blog.csdn.net/feather_wch/article/details/51535446)

[Android简单自定义圆形和水平ProgressBar](http://blog.csdn.net/feather_wch/article/details/52254260)

**ExpandableListView**

[ExpandableListView](http://blog.csdn.net/feather_wch/article/details/52229017)

**GridView**

[GridView详解](http://blog.csdn.net/feather_wch/article/details/51490206)

[GridView的onItemClick无效](http://blog.csdn.net/feather_wch/article/details/79585616)

[GridView实现照片墙](http://blog.csdn.net/feather_wch/article/details/79568078)

**Material Design**

**Rectange Button**

[Rectange Button的使用](http://blog.csdn.net/feather_wch/article/details/51308783)

**Palette**

[Palette详解](https://blog.csdn.net/feather_wch/article/details/80066384)

**Cardview**

[cardview](https://blog.csdn.net/feather_wch/article/details/80069108)

**下拉刷新**

[SwipeRefreshLayout下拉刷新](http://blog.csdn.net/feather_wch/article/details/51477113)

[PullToRefresh下拉刷新](http://blog.csdn.net/feather_wch/article/details/51487279)

**ViewPager**

[ViewPager的使用](https://blog.csdn.net/feather_wch/article/details/79494748)

**SpannableString**

[SpannableString](http://blog.csdn.net/feather_wch/article/details/52305133)

**DrawerLayout、NavigationView**

[DrawerLayout简单使用教程](https://blog.csdn.net/feather_wch/article/details/81323262)

[NavigationView简单使用教程](https://blog.csdn.net/feather_wch/article/details/81323269)

**SlidingPaneLayout**

[SlidingPaneLayout简单使用教程](https://blog.csdn.net/feather_wch/article/details/81323273)

**ImageSwitcher**

[ImageSwitcher和HorizontalScrollView实现相册](http://blog.csdn.net/feather_wch/article/details/51503966)

**ViewFlipper**

[ViewFlipper左右滑屏切换页面](http://blog.csdn.net/feather_wch/article/details/51535660)

**十六、杂项**

[Android 各种异常解决办法](http://blog.csdn.net/feather_wch/article/details/52229053)

[INSTALL\_FAILED\_INSUFFICIENT\_STORAGE、没有R文件](http://blog.csdn.net/feather_wch/article/details/50371936)

[Android运行时异常“Binary XML file line # : Error inflating class”](http://blog.csdn.net/feather_wch/article/details/50563577)

[tools:replace的前缀 tools未绑定](http://blog.csdn.net/feather_wch/article/details/50985269)

[Error: Could not fork child process: Resource temporarily unavailable (-1)-git bash报错](http://blog.csdn.net/feather_wch/article/details/78950568)

[Disconnected: No supoorted authentication methods avaliable(server sent: publickey)](http://blog.csdn.net/feather_wch/article/details/78967833)

[java.lang.UnsatisfiedLinkError: dlopen failed: /data/app/*\**.so: has text relocations](http://blog.csdn.net/feather_wch/article/details/79078357)

[Instant Run is disabled for non-debug variants](http://blog.csdn.net/feather_wch/article/details/79078364)

[error: style attribute ‘@android:attr/windowEnterAnimation’ not found.](http://blog.csdn.net/feather_wch/article/details/79094844)

[error: expected reference but got (raw string) @+android:style/Animation.Translucent.](http://blog.csdn.net/feather_wch/article/details/79108553)

[Unable to add window android.view.ViewRootImpl$W@1a8910d – the specified window type 0 is not valid](http://blog.csdn.net/feather_wch/article/details/79184976)

[Unable to add window android.view.ViewRootImpl$W@56bd4c5 – permission denied for window type 2010](http://blog.csdn.net/feather_wch/article/details/79185045)

[Manifest merger failed问题：tools:replace=”android:theme”和tools:replace=”android:icon”](http://blog.csdn.net/feather_wch/article/details/79581743)

**复用池**

[Activity五种数据传递方式](http://blog.csdn.net/feather_wch/article/details/51868286)

[activity、intent知识和总结](http://blog.csdn.net/feather_wch/article/details/50281757)

[activity和四个基本控件](http://blog.csdn.net/feather_wch/article/details/50300853)

[常用控件-单选框,toast,checkbox,progressbar,listview](http://blog.csdn.net/feather_wch/article/details/50348986)

[Android animation](https://blog.csdn.net/feather_wch/article/details/51093737)

**Java**

[文件IO java](https://blog.csdn.net/feather_wch/article/details/50477042)

[Java基础（下）](https://blog.csdn.net/feather_wch/article/details/50471183)

2.