ViewPager这个小demo实现的是可以左右循环滑动图片，下面带索引，滑到最后一页在往右滑动就要第一页，第一页往左滑动就到最后一页，先上效果图，用美女图片是我一贯的作风，呵呵



1.    首先看一些layout下的xml

**[html]** [view plain](http://blog.csdn.net/xiaanming/article/details/8966621) [copy](http://blog.csdn.net/xiaanming/article/details/8966621)

[在CODE上查看代码片](https://code.csdn.net/snippets/111711)

1. **<FrameLayout** xmlns:android="http://schemas.android.com/apk/res/android"
2. android:layout\_width="fill\_parent"
3. android:layout\_height="fill\_parent"
4. android:orientation="vertical" **>**
6. **<android.support.v4.view.ViewPager**
7. android:id="@+id/viewPager"
8. android:layout\_width="fill\_parent"
9. android:layout\_height="wrap\_content" **/>**
11. **<RelativeLayout**
12. android:layout\_width="fill\_parent"
13. android:layout\_height="wrap\_content"
14. android:orientation="vertical" **>**
16. **<LinearLayout**
17. android:id="@+id/viewGroup"
18. android:layout\_width="fill\_parent"
19. android:layout\_height="wrap\_content"
20. android:layout\_alignParentBottom="true"
21. android:layout\_marginBottom="30dp"
22. android:gravity="center\_horizontal"
23. android:orientation="horizontal" **>**
24. **</LinearLayout>**
25. **</RelativeLayout>**
27. **</FrameLayout>**

使用ViewPager首先需要引入[**Android**](http://lib.csdn.net/base/android)-support-v4.jar这个jar包。自己不要忘记加

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1. **package** com.example.viewpagerdemo;
3. **import** android.app.Activity;
4. **import** android.os.Bundle;
5. **import** android.support.v4.view.PagerAdapter;
6. **import** android.support.v4.view.ViewPager;
7. **import** android.support.v4.view.ViewPager.OnPageChangeListener;
8. **import** android.view.View;
9. **import** android.view.ViewGroup;
10. **import** android.view.ViewGroup.LayoutParams;
11. **import** android.widget.ImageView;
12. **import** android.widget.LinearLayout;
14. **public** **class** TwoActivity **extends** Activity **implements** OnPageChangeListener{
15. /\*\*
16. \* ViewPager
17. \*/
18. **private** ViewPager viewPager;
20. /\*\*
21. \* 装点点的ImageView数组
22. \*/
23. **private** ImageView[] tips;
25. /\*\*
26. \* 装ImageView数组
27. \*/
28. **private** ImageView[] mImageViews;
30. /\*\*
31. \* 图片资源id
32. \*/
33. **private** **int**[] imgIdArray ;
35. @Override
36. **protected** **void** onCreate(Bundle savedInstanceState) {
37. **super**.onCreate(savedInstanceState);
38. setContentView(R.layout.activity\_main);
39. ViewGroup group = (ViewGroup)findViewById(R.id.viewGroup);
40. viewPager = (ViewPager) findViewById(R.id.viewPager);
42. //载入图片资源ID
43. imgIdArray = **new** **int**[]{R.drawable.item01, R.drawable.item02, R.drawable.item03, R.drawable.item04,
44. R.drawable.item05,R.drawable.item06, R.drawable.item07, R.drawable.item08};

47. //将点点加入到ViewGroup中
48. tips = **new** ImageView[imgIdArray.length];
49. **for**(**int** i=0; i<tips.length; i++){
50. ImageView imageView = **new** ImageView(**this**);
51. imageView.setLayoutParams(**new** LayoutParams(10,10));
52. tips[i] = imageView;
53. **if**(i == 0){
54. tips[i].setBackgroundResource(R.drawable.page\_indicator\_focused);
55. }**else**{
56. tips[i].setBackgroundResource(R.drawable.page\_indicator\_unfocused);
57. }
59. LinearLayout.LayoutParams layoutParams = **new** LinearLayout.LayoutParams(**new** ViewGroup.LayoutParams(LayoutParams.WRAP\_CONTENT,
60. LayoutParams.WRAP\_CONTENT));
61. layoutParams.leftMargin = 5;
62. layoutParams.rightMargin = 5;
63. group.addView(imageView, layoutParams);
64. }

67. //将图片装载到数组中
68. mImageViews = **new** ImageView[imgIdArray.length];
69. **for**(**int** i=0; i<mImageViews.length; i++){
70. ImageView imageView = **new** ImageView(**this**);
71. mImageViews[i] = imageView;
72. imageView.setBackgroundResource(imgIdArray[i]);
73. }
75. //设置Adapter
76. viewPager.setAdapter(**new** MyAdapter());
77. //设置监听，主要是设置点点的背景
78. viewPager.setOnPageChangeListener(**this**);
79. //设置ViewPager的默认项, 设置为长度的100倍，这样子开始就能往左滑动
80. viewPager.setCurrentItem((mImageViews.length) \* 100);
82. }
84. /\*\*
85. \*
86. \* @author xiaanming
87. \*
88. \*/
89. **public** **class** MyAdapter **extends** PagerAdapter{
91. @Override
92. **public** **int** getCount() {
93. **return** Integer.MAX\_VALUE;
94. }
96. @Override
97. **public** **boolean** isViewFromObject(View arg0, Object arg1) {
98. **return** arg0 == arg1;
99. }
101. @Override
102. **public** **void** destroyItem(View container, **int** position, Object object) {
103. ((ViewPager)container).removeView(mImageViews[position % mImageViews.length]);
105. }
107. /\*\*
108. \* 载入图片进去，用当前的position 除以 图片数组长度取余数是关键
109. \*/
110. @Override
111. **public** Object instantiateItem(View container, **int** position) {
112. ((ViewPager)container).addView(mImageViews[position % mImageViews.length], 0);
113. **return** mImageViews[position % mImageViews.length];
114. }


118. }
120. @Override
121. **public** **void** onPageScrollStateChanged(**int** arg0) {
123. }
125. @Override
126. **public** **void** onPageScrolled(**int** arg0, **float** arg1, **int** arg2) {
128. }
130. @Override
131. **public** **void** onPageSelected(**int** arg0) {
132. setImageBackground(arg0 % mImageViews.length);
133. }
135. /\*\*
136. \* 设置选中的tip的背景
137. \* @param selectItems
138. \*/
139. **private** **void** setImageBackground(**int** selectItems){
140. **for**(**int** i=0; i<tips.length; i++){
141. **if**(i == selectItems){
142. tips[i].setBackgroundResource(R.drawable.page\_indicator\_focused);
143. }**else**{
144. tips[i].setBackgroundResource(R.drawable.page\_indicator\_unfocused);
145. }
146. }
147. }
149. }

[代码下载](http://download.csdn.net/detail/xiaanming/5437235)

上面的代码中，当只有3张图片或者2张图片的时候，滑动存在BUG问题的修改如下

* destroyItem(View container, int position, Object object)方法中不removeView

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[在CODE上查看代码片](https://code.csdn.net/snippets/111711)

1. @Override
2. **public** **void** destroyItem(View container, **int** position, Object object) {
3. //          ((ViewPager)container).removeView(mImageViews[position % mImageViews.length]);
4. }

* instantiateItem(View container, int position)增加异常扑捉

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[在CODE上查看代码片](https://code.csdn.net/snippets/111711)

1. @Override
2. **public** Object instantiateItem(View container, **int** position) {
3. **try** {
4. ((ViewPager)container).addView(mImageViews[position % mImageViews.length], 0);
5. }**catch**(Exception e){
6. //handler something
7. }
8. **return** mImageViews[position % mImageViews.length];
9. }