过渡动画MotionLayout

过渡动画

```
TransitionManager.beginDelayedTransition(ViewGroup)
通过修改view的属性来达到过渡效果:
例子:
TransitionManager.beginDelayedTransition((ViewGroup) view.getParent());
LinearLayout.LayoutParams layoutParams =
(LinearLayout.LayoutParams) view.getLayoutParams();
layoutParams.height *= 2;
layoutParams.width *= 2;
view.setLayoutParams(layoutParams);
TransitionManager.go(sceneEnd,new ChangeBounds());
传入不同的布局,达到不同布局的切换, sceneEnd (需要切换过去的布局形态)
ChangeBounds(不同的动画效果,ChangeBounds表示位移变化,一共有Fade Slide Explode
四种不同效果)
例子:
ViewGroup vg = findViewById(R.id.root);
Scene sceneStart = Scene.getSceneForLayout(vg,R.layout.go start, MainActivity.this);
Scene sceneEnd = Scene.getSceneForLayout(vg,R.layout.go end,MainActivity.this);
if (type==1) {
   TransitionManager.go(sceneEnd, new ChangeBounds());
   type=2;
}else {
   TransitionManager.go(sceneStart, new ChangeBounds());
    type=1;
}
注意:两个布局里面的ID需要——对应,TransitionManager.go()这中布局切换后需要重新对View绑定数据,
因为是不同的布局。
MotionLayout是ConstraintLayout子类,布局根布局需要使用MotionLayout
<android.support.constraint.motion.MotionLayout</pre>
    app:layoutDescription="@xml/motion"
motion.xml
<MotionScene xmlns:android="http://schemas.android.com/apk/res/android"</pre>
```

xmlns:app="http://schemas.android.com/apk/res-auto">

```
<Transition app:constraintSetStart="@id/start"</pre>
           app:constraintSetEnd="@id/end" >
    <OnClick app:target="@id/v1"</pre>
</Transition>
    <ConstraintSet android:id="@+id/start">
    </ConstraintSet>
    <ConstraintSet android:id="@+id/end">
        <Constraint
            android:id="@+id/v1"
            android:layout width="match parent"
            android:layout height="match parent"
            android:background="#00cc00"
            app:layout constraintLeft toLeftOf="parent"
            app:layout_constraintTop_toTopOf="parent"
        <Constraint
            android:id="@+id/v2"
            android:layout_width="40dp"
            android:layout height="40dp"
            android:background="#0000cc"
            app:layout constraintTop toTopOf="parent"
            app:layout constraintLeft toRightOf="@+id/v1"
            />
        <Constraint
            android:id="@+id/v3"
            android:layout width="40dp"
            android:layout height="40dp"
            android:background="#cc0000"
            app:layout constraintBottom toBottomOf="parent"
            app:layout_constraintRight_toRightOf="parent"
            android:layout marginBottom="20dp"
            android:layout_marginRight="20dp"
            />
        <Constraint
            android:id="@+id/v4"
            android:layout width="0dp"
            android:layout height="120dp"
            android:background="#cccc00"
            app:layout constraintTop toBottomOf="@id/v1"
            app:layout constraintLeft toLeftOf="parent"
    </ConstraintSet>
</MotionScene>
```