



链滴

IMP

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来源网站: [链滴](#)

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<pre class="prettyprint prettyprinted"><span class="pun">以下方法在执行时是会出现问题的
描述: </span><span class="pln"> target</span><span class="pun">是我定义的一个类叫</s
an><span class="pln">A</span><span class="pun">类, </span><span class="pln">A</sp
n><span class="pun">类中定义了一个方法-</span><span class="pun"></span><span class
"kwrd">void</span><span class="pun">*</span><span class="pln">methodA</span><sp
n class="pun">:</span><span class="pln">id </span><span class="pun">*</span><span class="pln">str</span><span class="pun">方法。 </span><br /><span class="pun">-</spa
><span class="pun"></span><span class="pln">id</span><span class="pun"></span><span class="pln">addTarget</span><span class="pun">:</span><span class="pln">id</sp
n><span class="pun"></span><span class="pln">target performFunctionWithName</spa
><span class="pun">:</span><span class="typ">NSString</span><span class="pun">*</
pan><span class="pln">functionName withObject</span><span class="pun">:</span><span class="s
an class="pln">id</span><span class="pun"></span><span class="kwrd">object</span><span class="pun">{</span><span class="kwrd">if</span><span class="pun"></span><span class="pln">target </span><span class="pun">&&&</span><span class="pun">[<
span><span class="pln">target respondsToSelector</span><span class="pun">:</span><span class="s
an class="typ">ToSelectorFromNSString</span><span class="pun"></span><span class="pln">functionName</span><span class="pun">})</span><span class="pun">{</span><span class="pun">=</span><span class="typ">ToSelectorFromStrin
</span><span class="pun"></span><span class="pln">functionName</span><span class="pun">};</span><span class="pln">
IMP imp </span><span class="pun">=</span><span class="pun">[</span><span class="pun">target methodToSelector</span><span class="pun">:</span><span class="pln">select
r</span><span class="pun">];</span><span class="pln">
id </span><span class="pun">(*</span><span class="pln">func</span><span class="pun"></span><span class="pln">id</span><span class="pun">,</span><span class="pln">SEL</span><span class="pun">,</span><span class="pln">id</span><span class="pun"></span><span class="pun">=</span><span class="pun"></span><span class="kwrd">void<
span><span class="pun">*</span></span><span class="pln">imp</span><span class="pun">;</
pan><span class="pln">
func</span><span class="pun"></span><span class="pln">target</span><span class="pun"></span><span class="pln">selector</span><span class="pun">];</span><span class="kwrd">return</span><span class="kwrd">nil</span><span class="pun">;</span><span class="com">//这个方法有警告, 用上面的方法代替, 出去警告</span><span class="com">// [target
performSelector:ToSelectorFromNSString(functionName) withObject:object];</span><span class="pun">}</span><span class="kwrd">return</span><span class="kwrd">nil</span><span class="pun">}</span><span class="pun">}</span><br /><span class="pun">解释: </span>
</pre>

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<pre class="prettyprint prettyprinted"><span class="pln">IMP imp </span><span class="pun">=</span><span class="pun">[</span><span class="pln">target methodToSelector</s
an><span class="pun">:</span><span class="pln">selector</span><span class="pun">];</span>
过这个方法, 我们可以得到</span><span class="pln">A</span><span class="pun">类中的</
pan><span class="pln">methodA</span><span class="pun">方法的函数指针。 </span></pr
>

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<pre class="prettyprint prettyprinted"><span class="pln"> id </span><span class="pun">(<
</span><span class="pln">func</span><span class="pun"></span><span class="pln">i
</span><span class="pun">,</span><span class="pln">SEL</span><span class="pun">,</span><span class="pln">id</span><span class="pun"></span><span class="pun">=</s
an><span class="pun"></span><span class="kwrd">void</span><span class="pun">*</span></s
an><span class="pln">imp</span><span class="pun">;</span><span class="pun">这个方法由于我们这里定义的是</spa

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><span class="pln">id</span><span class="pun"></span>返回值类型的，但是实际中</span><span class="pln">A</span><span class="pun">类的方法</span><span class="pln">methodA</span><span class="pun">是无返回值的，所以到了这一步，肯定是会奔溃的。</span><br /><span class="pun">于是解决办法就是在定义的时候判断是否有返回值。</span><br /><span class="pun">如下:</span></pre>

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<pre class="prettyprint prettyprinted"><span class="kwd">if</span><span class="pun">(</span><span class="pln">target </span><span class="pun">&&</span><span class="pun">(</span><span class="pln">target respondsToSelector</span><span class="pun">:</span><span class="typ">NSSetSelectorFromString</span><span class="pun">(</span><span class="pln">methodName</span><span class="pun">))</span><span class="pun">{</span><span class="pln">
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SEL selector </span><span class="pun">=</span><span class="typ">NSSetSelectorFromSring</span><span class="pun">(</span><span class="pln">methodName</span><span class="pun">);</span><span class="typ">Method</span><span class="pln"> method </span><span class="pun">=</span><span class="pln"> class_getInstanceMethod</span><span class="pun">(</span><span class="pln">target </span><span class="kwd">class</span><span class="pun">,</span><span class="pln"> selector</span><span class="pun">);</span><span class="pln">
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constchar </span><span class="pun">*</span><span class="pln">returnType </span><span class="pun">=</span><span class="pln"> method_copyReturnType</span><span class="pun">(</span><span class="pln">method</span><span class="pun">);</span><span class="com">//获得了需要调用的那个方法的返回值类型</span><span class="pln">
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IMP imp </span><span class="pun">=</span><span class="pun">(</span><span class="pln">target methodForSelector</span><span class="pun">:</span><span class="pln">selector</span><span class="pun">);</span><span class="kwd">char</span><span class="pun">*</span><span class="pln">voidType </span><span class="pun">=</span><span class="str">"v"</span><span class="pun">;</span><span class="com">//void的返回值类型对应v</span><span class="kwd">if</span><span class="pun">(</span><span class="pln">strcmp</span><span class="pun">(</span><span class="pln">returnType</span><span class="pun">,</span><span class="pln"> voidType</span><span class="pun">)</span><span class="pun">==</span><span class="lit">0</span><span class="pun">)</span><span class="pun">{</span><span class="com">//无返回值类型</span><span class="kwd">void</span><span class="pun">(</span><span class="pln">func</span><span class="pun">)</span><span class="pln">id</span><span class="pun">,</span><span class="pln"> SEL</span><span class="pun">,</span><span class="pln"> id</span><span class="pun">)</span><span class="pun">=</span><span class="pln"> imp</span><span class="pun">;</span><span class="pln">
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func</span><span class="pun">(</span><span class="pln">target</span><span class="pun">,</span><span class="pln"> selector</span><span class="pun">,</span><span class="kwd">object</span><span class="pun">);</span><span class="pun">}</span><span class="kwd">else</span><span class="pun">{</span><span class="com">//有返回值类型</span><span class="pln">
```

```
id </span><span class="pun">(</span><span class="pln">func</span><span class="pun">)</span><span class="pln">id</span><span class="pun">,</span><span class="pln"> SEL</span><span class="pun">,</span><span class="pln"> id</span><span class="pun">)</span><span class="pun">=</span><span class="pln"> imp</span><span class="pun">;</span><span class="kwd">return</span><span class="pln"> func</span><span class="pun">(</span><span class="pln">target</span><span class="pun">,</span><span class="pln">
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pln" > selector</span> <span class="pun">,</span> <span class="kwd">object</span> <spa  
class="pun">);</span> <span class="pun">}</span> <span class="kwd">return</span> <sp  
n class="kwd">nil</span> <span class="pun">;</span></pre>
```