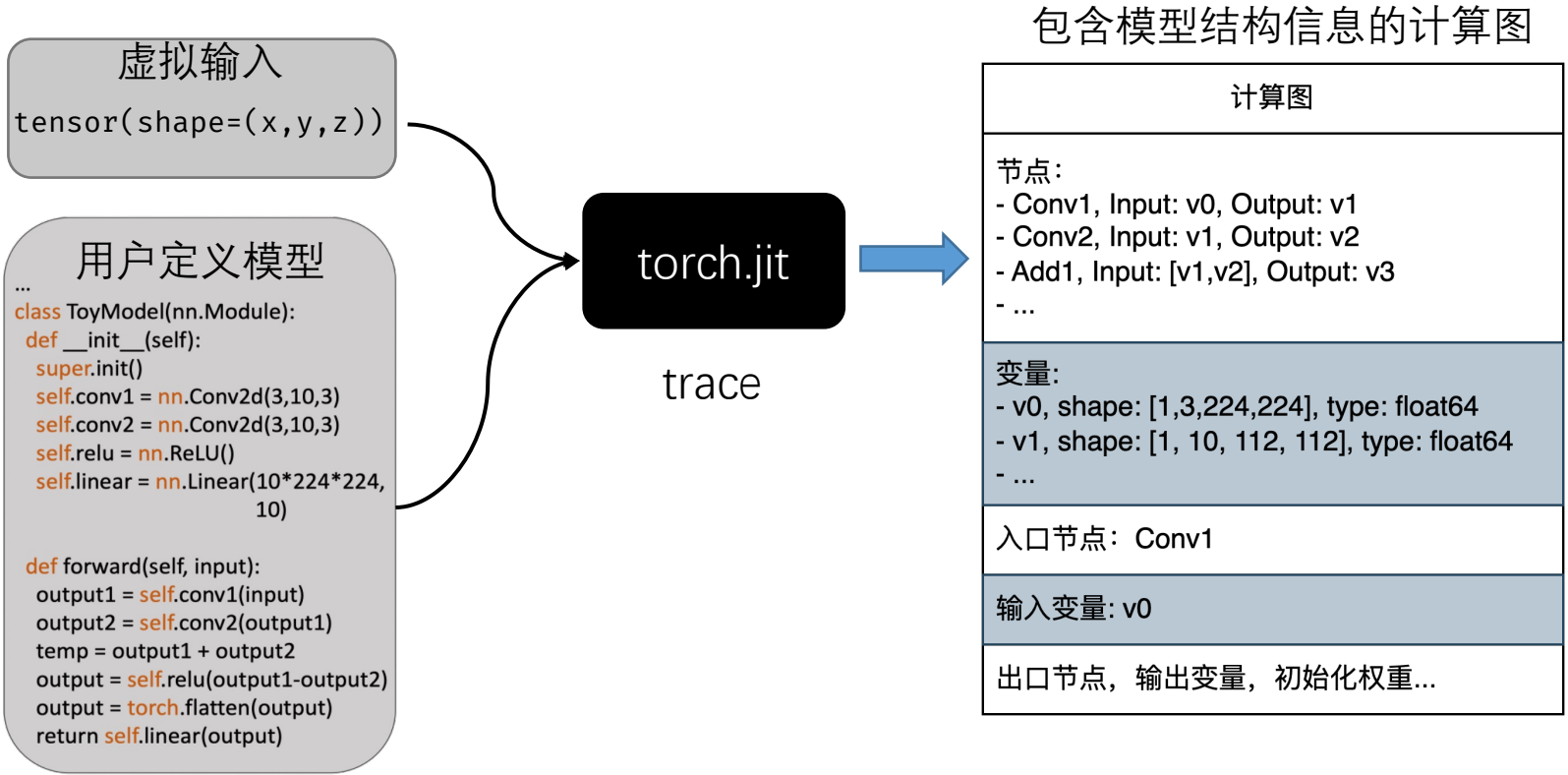
虚拟输入
tensor(shape=(x,y,z))
用户定义模型
...
class ToyModel(nn.Module):
def __init__(self):
super.init()
self.conv1 = nn.Conv2d(3,10,3)
self.conv2 = nn.Conv2d(3,10,3)
self.relu = nn.ReLU()
self.linear = nn.Linear(10*224*224,
10)
def forward(self, input):
output1 = self.conv1(input)
output2 = self.conv2(output1)
temp = output1 + output2
output = self.relu(output1-output2)
output = torch.flatten(output)
return self.linear(output)
torch.jit
trace
包含模型结构信息的计算图
计算图
节点:
- Conv1, Input: v0, Output: v1
- Conv2, Input: v1, Output: v2
- Add1, Input: [v1,v2], Output: v3
- ...
变量:
- v0, shape: [1,3,224,224], type: float64
- v1, shape: [1, 10, 112, 112], type: float64
- ...
入口节点：Conv1
输入变量: v0
出口节点，输出变量，初始化权重...