

```
In[14]:= Needs["IdentifiabilityAnalysis`"]
        startTime = AbsoluteTime[]
```

```
Out[15]= 3.6888122180721281 × 109
```

```
In[16]:= vars = {x1, x2}
```

```
Out[16]= {x1, x2}
```

```
In[17]:= params = {d, kTL, b, m0}
```

```
Out[17]= {d, kTL, b, m0}
```

```
In[18]:= sys = {x1'[t] == -d * x1[t],
               x2'[t] == kTL * x1[t] - b * x2[t],
               x1[0] == m0, x2[0] == 0}
```

```
Out[18]= {x1'[t] == -d x1[t], x2'[t] == kTL x1[t] - b x2[t], x1[0] == m0, x2[0] == 0}
```

```
In[19]:= output = {x2[t]}
```

```
Out[19]= {x2[t]}
```

```
In[20]:= iad = IdentifiabilityAnalysis[{sys, output}, vars, params, t]
```

```
Out[20]= IdentifiabilityAnalysisData[False, <>]
```

```
In[21]:= iad["IdentifiableQ"]
```

```
Out[21]= False
```

```
In[22]:= iad["DegreesOfFreedom"]
```

```
Out[22]= 1
```

```
In[23]:= iad["NonIdentifiableParameters"]
```

```
Out[23]= {kTL, m0}
```

```
In[24]:= endTime = AbsoluteTime[]
        N[endTime - startTime]
```

```
Out[24]= 3.6888122182335621 × 109
```

```
Out[25]= 0.161434
```

```
In[26]:=
```