

```
In[12]:= Import[
  "https://raw.githubusercontent.com/antononcube/SystemModeling/master/Projects/
  Coronavirus-propagation-dynamics/WL/EpidemiologyModelModifications.m"]
```

```
In[14]:= ModelGridTableForm[SEI2HRModel[t]]["Equations"]
```

```
In[15]:= ModelGridTableForm[SEI2RModel[t]]["Equations"]
```

```
In[17]:= ModelGridTableForm[SEI2RModel[t], "Tooltips" -> False]["Equations"] /.
  x_Equal -> TraditionalForm[x]
```

```
In[57]:= ColumnForm[TraditionalForm /@ SEI2RModel[t]["Equations"]]
```

```
Out[57]=
```

$$\begin{aligned}
 SP'(t) &= -\frac{\beta(\text{INSP}) \text{INSP}(t) SP(t)}{TP(0)} - \frac{\beta(\text{ISSP}) \text{ISSP}(t) SP(t)}{TP(0)} - SP(t) \mu(TP) \\
 EP'(t) &= -EP(t) \left( \frac{1}{\text{aincp}} + \mu(TP) \right) + \frac{\beta(\text{INSP}) \text{INSP}(t) SP(t)}{TP(0)} + \frac{\beta(\text{ISSP}) \text{ISSP}(t) SP(t)}{TP(0)} \\
 \text{INSP}'(t) &= \frac{EP(t) (1 - \text{sspf}(SP))}{\text{aincp}} - \frac{\text{INSP}(t)}{\text{aip}} - \mu(\text{INSP}) \text{INSP}(t) \\
 \text{ISSP}'(t) &= \frac{EP(t) \text{sspf}(SP)}{\text{aincp}} - \frac{\text{ISSP}(t)}{\text{aip}} - \mu(\text{ISSP}) \text{ISSP}(t) \\
 \text{RP}'(t) &= \frac{\text{INSP}(t) + \text{ISSP}(t)}{\text{aip}} - \text{RP}(t) \mu(TP) \\
 \text{MLP}'(t) &= \text{lpcr}(\text{ISSP}, \text{INSP}) (-\text{RP}(t) - SP(t) + TP(0))
 \end{aligned}$$