

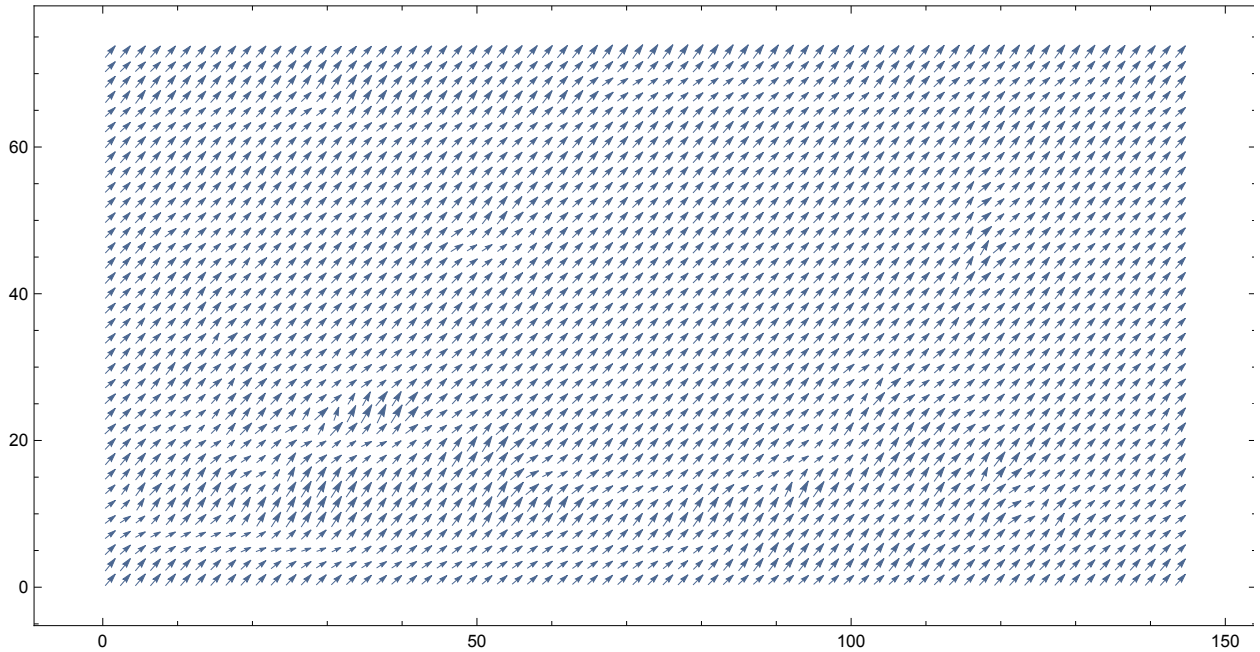
c2 is Laplacian and c1 is the derivative with regards to time. So vectors are (Laplacian, dT/dt)

Day 1

In[106]:=

```
day = 1;  
data = Table[{c2[[day, y, x]], c1[[day, y, x]]},  
  {x, 1, Dimensions[c1][[3]], 1}, {y, 1, Dimensions[c1][[2]], 1}];  
ListVectorPlot[data, AspectRatio -> 73 / 144,  
  VectorPoints -> {144 / 2, 72 / 2}, ImageSize -> 650]
```

Out[108]=

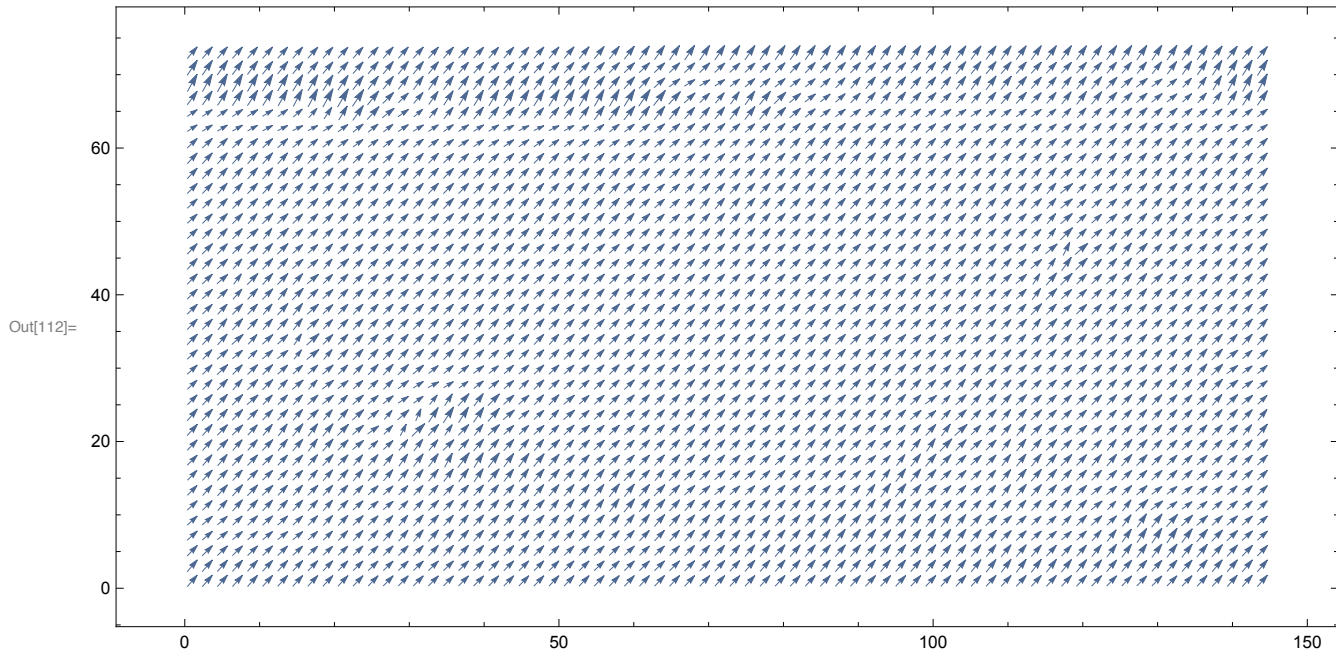


In[109]:= LinearModelFit[Flatten[data, 1], x, x]

Out[109]= FittedModel [0.468991 + 0.0370683 x]

Day 100

```
In[110]:= day = 100;  
data = Table[{c2[[day, y, x]], c1[[day, y, x]]},  
  {x, 1, Dimensions[c1][[3]], 1}, {y, 1, Dimensions[c1][[2]], 1};  
ListVectorPlot[data, AspectRatio -> 73 / 144,  
  VectorPoints -> {144 / 2, 72 / 2}, ImageSize -> 650]
```

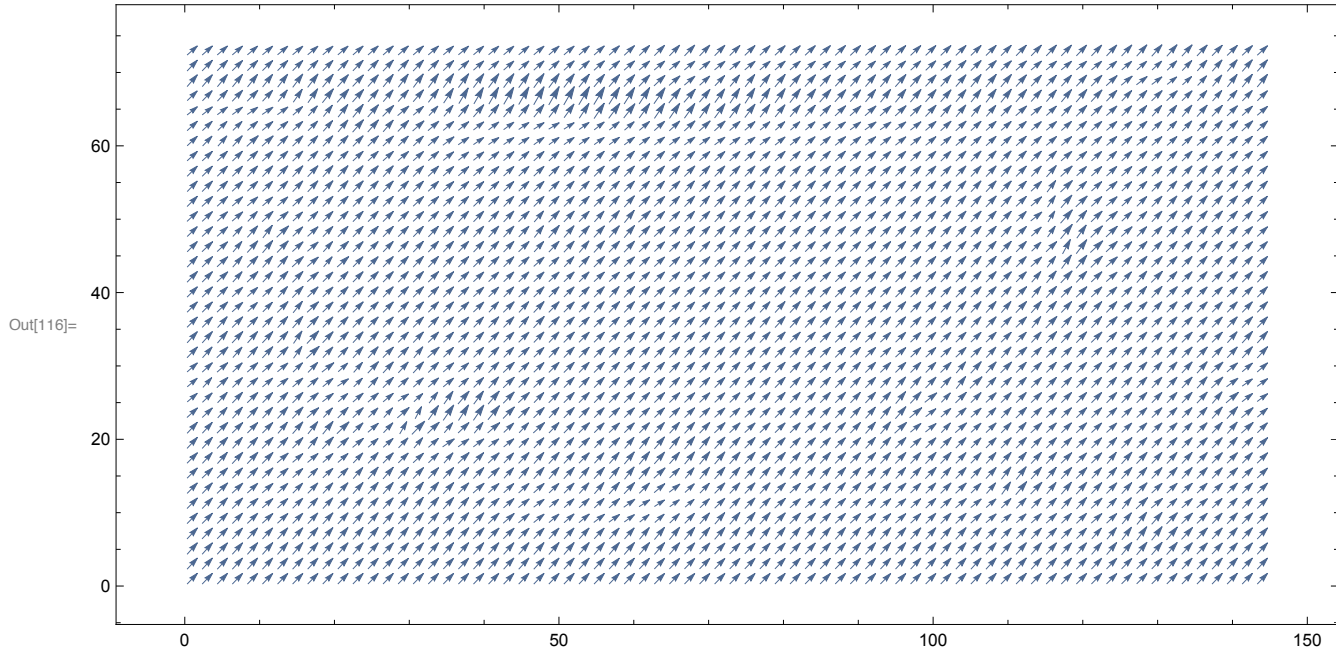


```
In[113]:= LinearModelFit[Flatten[data, 1], x, x]
```

Out[113]= FittedModel [0.506639 - 0.0408552 x]

Day 200

```
In[114]:= day = 200;  
data = Table[{c2[[day, y, x]], c1[[day, y, x]]},  
  {x, 1, Dimensions[c1][[3]], 1}, {y, 1, Dimensions[c1][[2]], 1}];  
ListVectorPlot[data, AspectRatio -> 73 / 144,  
  VectorPoints -> {144 / 2, 72 / 2}, ImageSize -> 650]
```



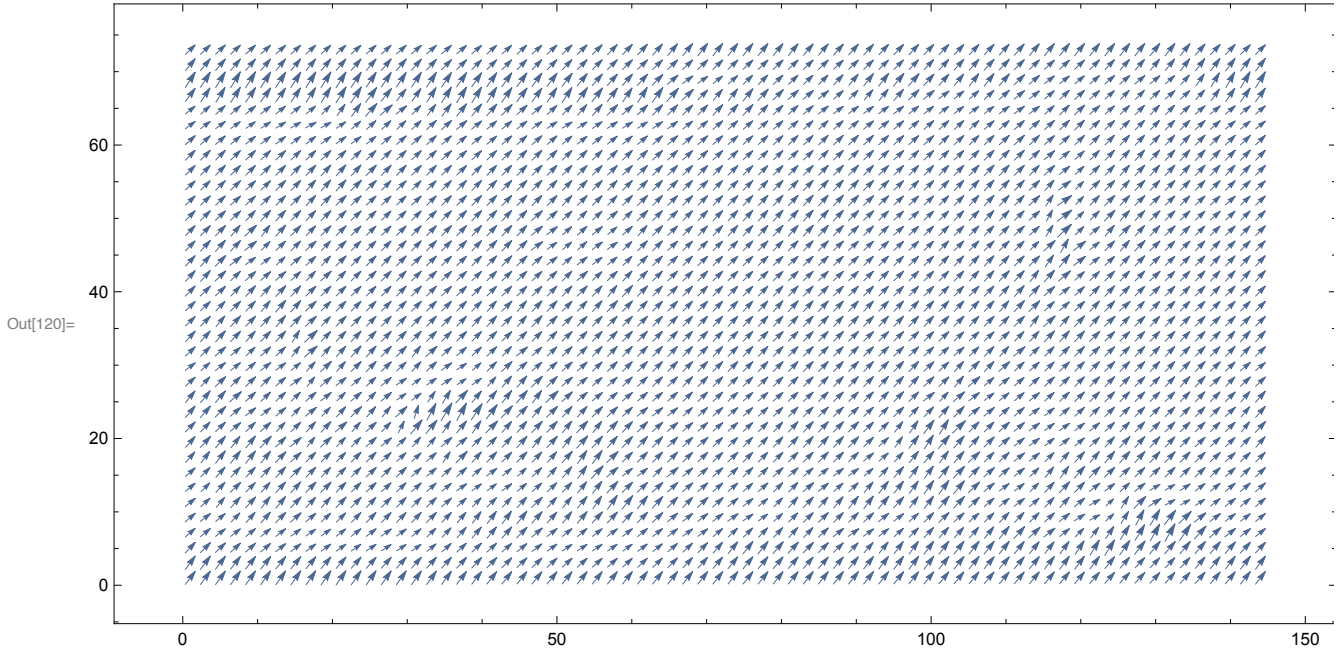
```
In[117]:= LinearModelFit[Flatten[data, 1], x, x]
```

Out[117]= FittedModel [$0.474632 + 0.00990197 x$]

Day 300

In[118]:=

```
day = 300;  
data = Table[{c2[[day, y, x]], c1[[day, y, x]]},  
  {x, 1, Dimensions[c1][[3]], 1}, {y, 1, Dimensions[c1][[2]], 1}];  
ListVectorPlot[data, AspectRatio -> 73 / 144,  
  VectorPoints -> {144 / 2, 72 / 2}, ImageSize -> 650]
```

In[121]:= `LinearModelFit[Flatten[data, 1], x, x]`Out[121]= `FittedModel[0.478588 - 0.00366539 x]`