

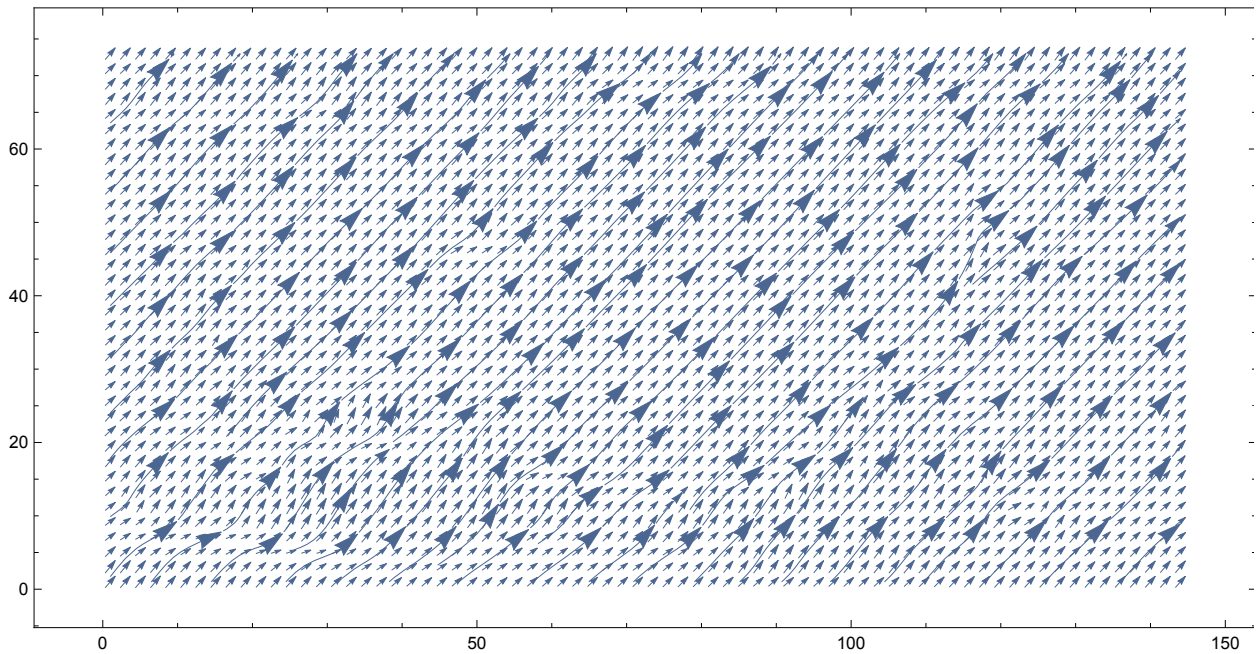
c2 is Laplacian and c1 is the derivative with regards to time. So vectors are (Laplacian, dT/dt)

Day 1

In[162]:=

```
day = 1;  
data = Table[{c2[[day, y, x]], c1[[day, y, x]]},  
  {x, 1, Dimensions[c1][[3]], 1}, {y, 1, Dimensions[c1][[2]], 1}];  
ListStreamPlot[data, AspectRatio → 73 / 144, StreamPoints → 100,  
  VectorPoints → {144 / 2, 72 / 2}, ImageSize → 650]
```

Out[164]=



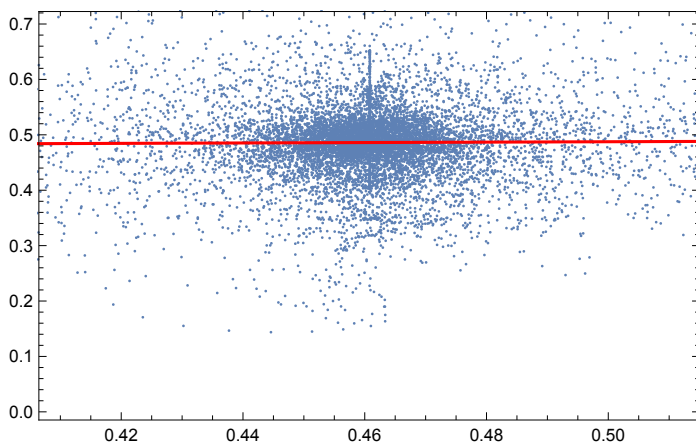
In[165]:=

```
lm = LinearModelFit[Flatten[data, 1], x, x]  
Show[ListPlot[Flatten[data, 1]],  
  Plot[lm[x], {x, 0, 1}, PlotStyle → {Red}], Frame → True]
```

Out[165]=

```
FittedModel[0.468991 + 0.0370683 x]
```

Out[166]=

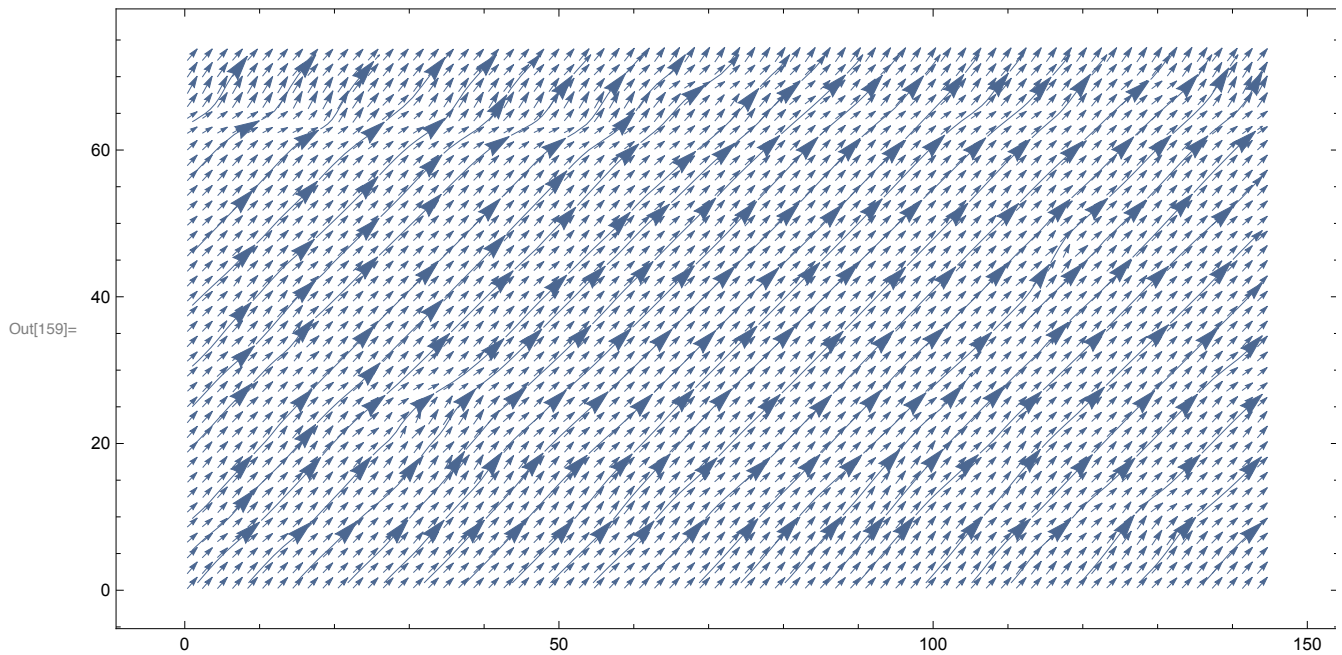


Day 100

```

In[157]:= day = 100;
data = Table[{c2[[day, y, x]], c1[[day, y, x]]},
  {x, 1, Dimensions[c1][[3]], 1}, {y, 1, Dimensions[c1][[2]], 1}];
ListStreamPlot[data, AspectRatio → 73 / 144, StreamPoints → 100,
  VectorPoints → {144 / 2, 72 / 2}, ImageSize → 650]

```

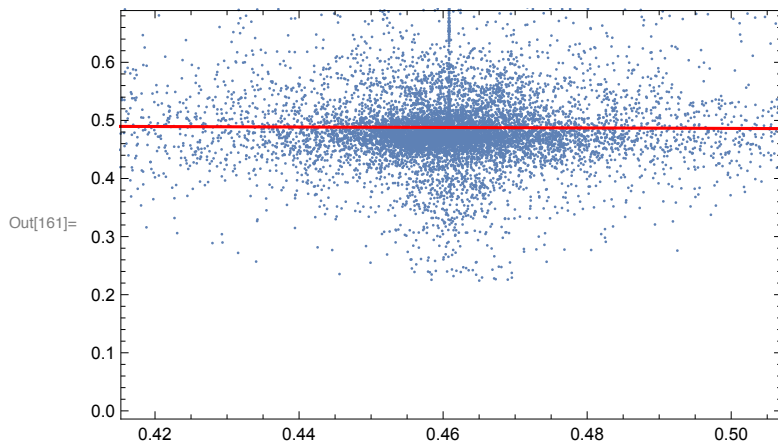


```

In[160]:= lm = LinearModelFit[Flatten[data, 1], x, x]
Show[ListPlot[Flatten[data, 1]],
  Plot[lm[x], {x, 0, 1}, PlotStyle → {Red}], Frame → True]

```

Out[160]= FittedModel [0.506639 - 0.0408552 x]

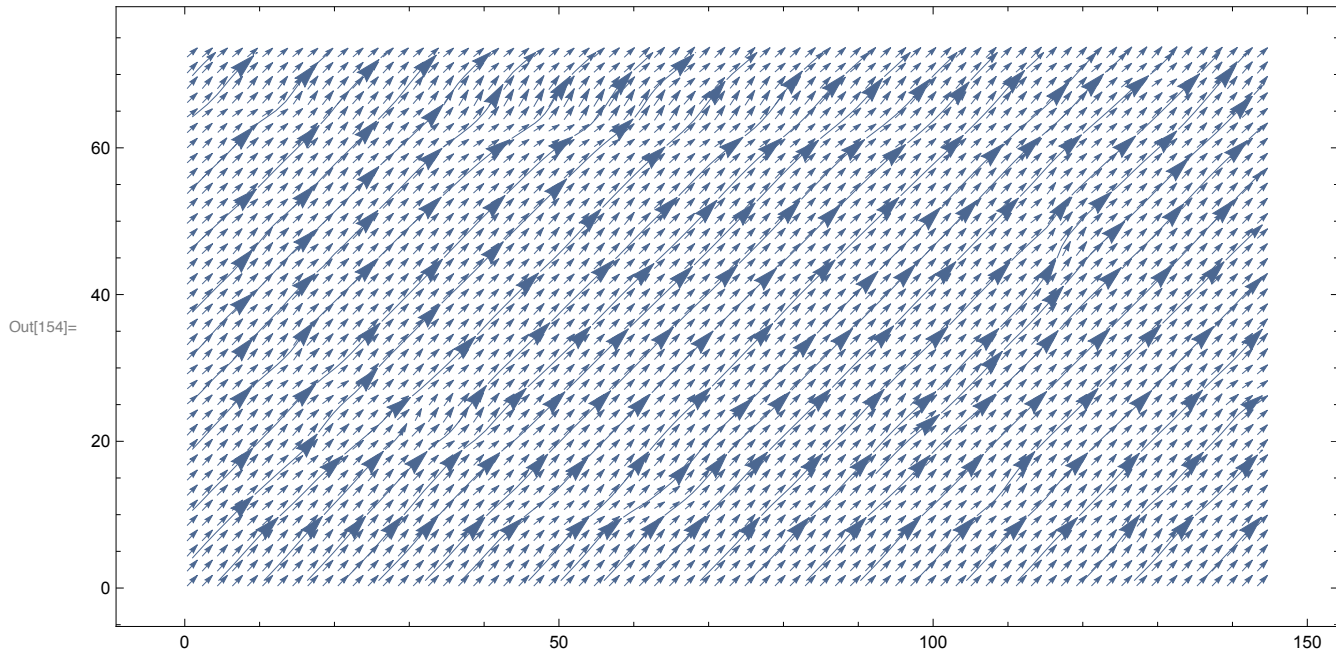


Day 200

```

In[152]:= day = 200;
data = Table[{c2[[day, y, x]], c1[[day, y, x]]},
  {x, 1, Dimensions[c1][[3]], 1}, {y, 1, Dimensions[c1][[2]], 1}];
ListStreamPlot[data, AspectRatio → 73 / 144, StreamPoints → 100,
  VectorPoints → {144 / 2, 72 / 2}, ImageSize → 650]

```

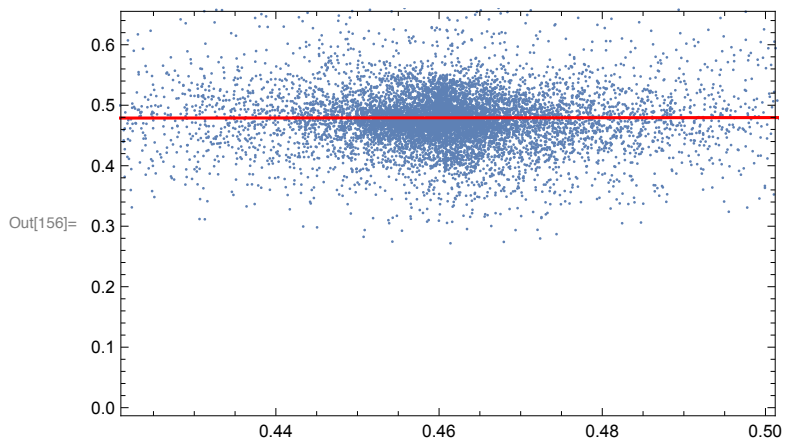


```

In[155]:= lm = LinearModelFit[Flatten[data, 1], x, x]
Show[ListPlot[Flatten[data, 1]],
  Plot[lm[x], {x, 0, 1}, PlotStyle → {Red}], Frame → True]

```

Out[155]= FittedModel [0.474632 + 0.00990197 x]



Day 300

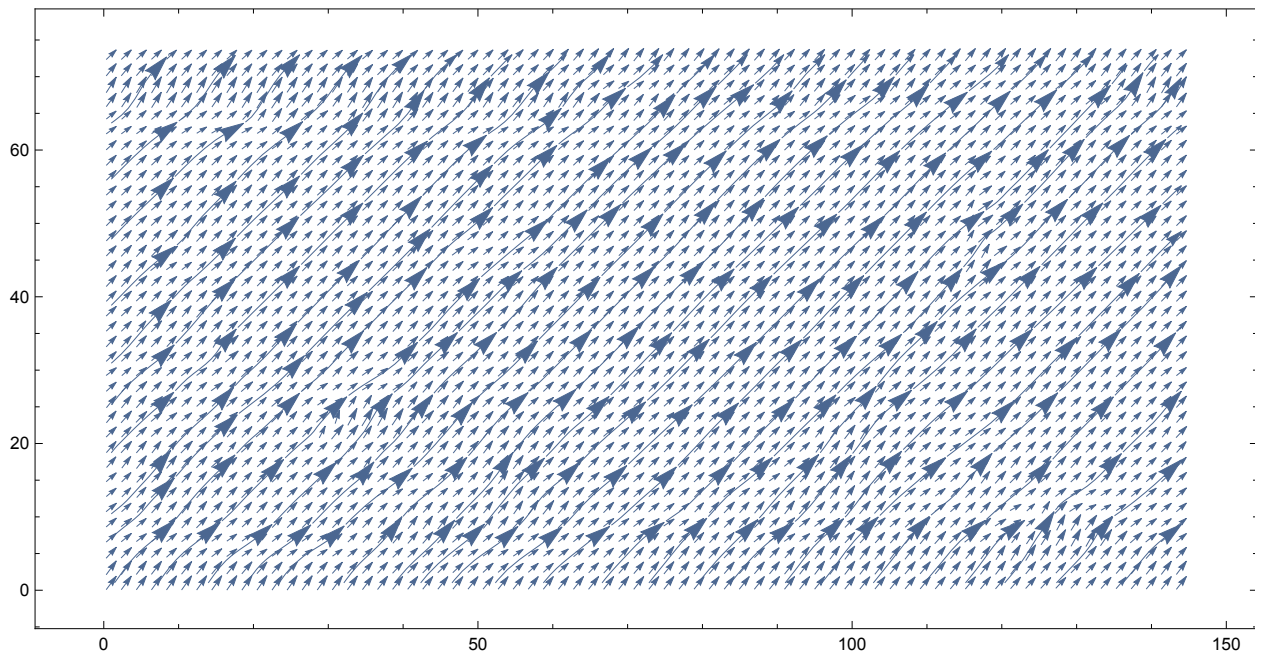
In[137]:=

```

day = 300;
data = Table[{c2[[day, y, x]], c1[[day, y, x]]},
  {x, 1, Dimensions[c1][[3]], 1}, {y, 1, Dimensions[c1][[2]], 1}];
ListStreamPlot[data, AspectRatio → 73 / 144, StreamPoints → 100,
  VectorPoints → {144 / 2, 72 / 2}, ImageSize → 650]

```

Out[139]=

In[146]:= `lm = LinearModelFit[Flatten[data, 1], x, x]`

Out[146]= FittedModel [0.478588 - 0.00366539 x]

```

In[149]:= Show[ListPlot[Flatten[data, 1]],
  Plot[lm[x], {x, 0, 1}, PlotStyle → {Red}], Frame → True]

```

Out[149]=

