

- Alle Definitionen
- Alle Orte
- Wir bestimmen die Flugzeit

```
In[30]:= Start = Wien;
        Ziel = NewYork;
```

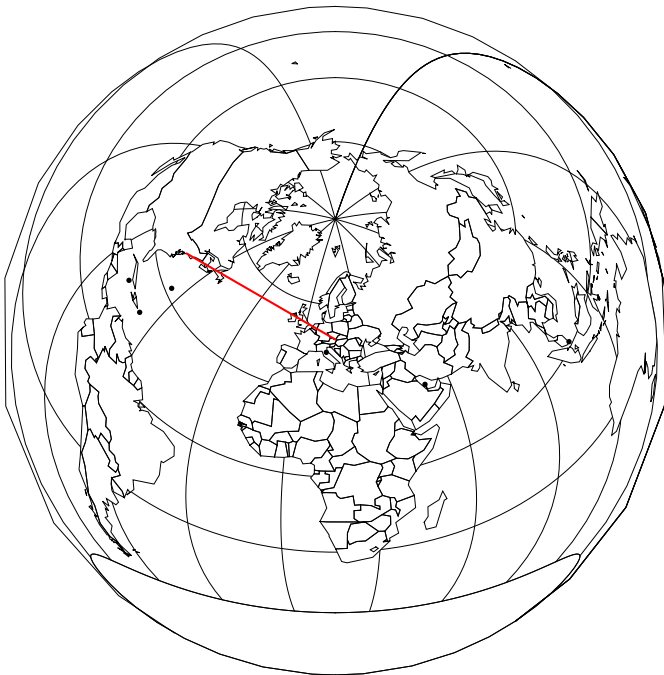
```
In[32]:= Show[{WorldPlot[World], WorldGraphics[{Red, Thickness[0.003], Line[
        Teilen[{Start, Ziel}, 10] * 60
        ]}}]
```

Out[32]=



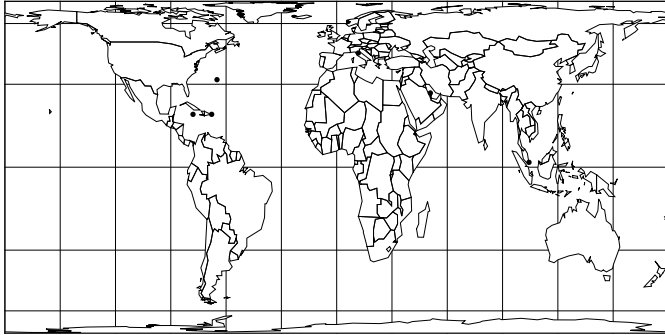
```
In[33]:= Show[{WorldPlot[World,
        WorldRotation -> {Start[[1]], 0, -Start[[2]]},
        WorldRange -> {{-60, 90}, {-180, 180}}, WorldProjection -> LambertAzimuthal},
        WorldGraphics[{Red, Thickness[0.003], Line[
        Teilen[{Start, Ziel}, 10] * 60
        ]}}]
```

Out[33]=



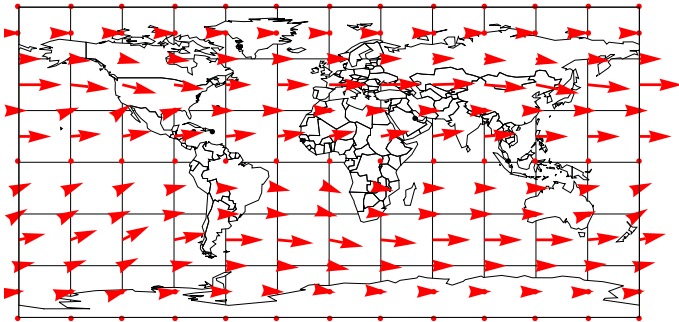
In[34]:= Show[{WorldPlot[World, WorldProjection -> LambertCylindrical]}]

Out[34]=



In[35]:= Show[
 {WorldPlot[World], WorldGraphics[Table[Table[{Arrowheads[Medium], Red, Thickness[0.004], Arrow[
 {{x, y} \* 60, {x, y} \* 60 + Wind[{y, x]} \* 3}
 ]
 }, {x, -180, 180, 30}], {y, -90, 90, 15}]]]}]

Out[35]=



In[36]:= ZeitGlobusGesamt[Teilen[{Start, Ziel}, 10], KeinWind, 850]

Out[36]= 7.99523

In[37]:= ZeitGlobusGesamt[Teilen[{Start, Ziel}, 10], Wind, 850]

Out[37]= 9.74373

In[38]:= Flugzeit[Liste\_] := N[ZeitGlobusGesamt[Teilen[Liste, 4], Wind, 850]]

In[39]:= {b1m1, l1m1} = Mittelpunkt[Start, Ziel];
 {b1m0, l1m0} = Mittelpunkt[Start, {b1m1, l1m1}];
 {b1m2, l1m2} = Mittelpunkt[{b1m1, l1m1}, Ziel];

In[42]:= Funkt[b1\_, l1\_] := Flugzeit[{Start, {b1m0, l1m0}, {b1, l1}, {b1m2, l1m2}, Ziel]}
 {fmin, {b1m1min, l1m1min}} = MinTabelle[Funkt, 4, 8, b1m1, l1m1]

Funkt[b1\_, l1\_] := Flugzeit[{Start, {b1, l1}, {b1m1min, l1m1min}, {b1m2, l1m2}, Ziel]}
 {fmin, {b1m0min, l1m0min}} = MinTabelle[Funkt, 4, 8, b1m0, l1m0]

Funkt[b1\_, l1\_] := Flugzeit[{Start, {b1m0min, l1m0min}, {b1m1min, l1m1min}, {b1, l1}, Ziel]}
 {fmin, {b1m2min, l1m2min}} = MinTabelle[Funkt, 4, 8, b1m2, l1m2]

Out[43]= {9.72457, {54.254, -16.5119}}

Out[45]= {9.66873, {53.8107, 17.641}}

Out[47]= {9.66873, {49.3573, -56.0631}}

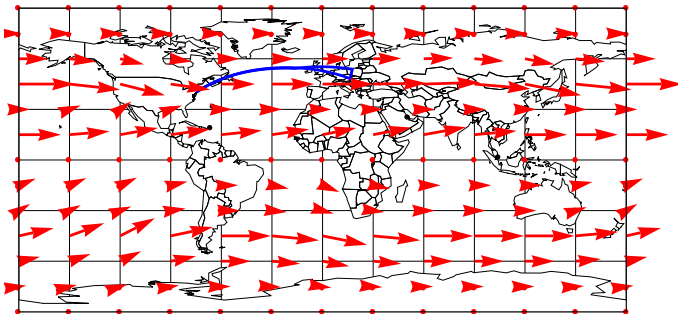
```
In[48]:= Show[WorldPlot[World, WorldRange -> {{-90, 90}, {-180, 180}},
```

```
WorldGraphics[{Blue, Thickness[0.004], Line[
  Teilen[{Start, Ziel}, 10] * 60
]}],
```

```
WorldGraphics[{Blue, Thickness[0.004], Line[
  Teilen[{Start, {blm0min, llm0min}, {blm1min, llm1min}, {blm2min, llm2min}, Ziel}, 10] * 60
]}],
```

```
WorldGraphics[Table[Table[{Arrowheads[Medium], Red, Thickness[0.004], Arrow[
  {{x, y} * 60, {x, y} * 60 + Wind[{y, x]} * 4}
]}, {x, -180, 180, 30}], {y, -90, 90, 15}]]]
```

```
Out[48]=
```



```
In[49]:= Show[WorldPlot[World,  
  WorldRotation -> {Start[[1]], 0, -Start[[2]]},  
  WorldRange -> {{-80, 90}, {-180, 180}}, WorldProjection -> LambertAzimuthal],  
  
  WorldGraphics[{Blue, Thickness[0.004], Line[  
    Teilen[{Start, Ziel}, 10] * 60  
  ]}],  
  
  WorldGraphics[{Blue, Thickness[0.004], Line[  
    Teilen[{Start, {b1m0min, l1m0min}, {b1m1min, l1m1min}, {b1m2min, l1m2min}, Ziel}, 10] * 60  
  ]}]]]
```

Out[49]=

