

```
plot_bloch_multivector(statevector)
```

First superposition:

```
Statevector([0.70710678+0.j, 0.70710678+0.j],  
            dims=(2,))
```

Second superposition:

```
Statevector([-1.29893408e-16-0.70710678j, 4.32978028e-17+0.70710678j],  
            dims=(2,))
```

Third superposition:

```
Statevector([ 0.70710678+0.00000000e+00j, -0.70710678-8.65956056e-17j],  
            dims=(2,))
```

2]:

