

---

Subject: Coord\_transform in axes

Posted by [joellama](#) on Tue, 04 Nov 2014 00:12:05 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I am trying to add an axis to an image but am having some difficulty.

My array is the shape: values[150, 50] representing 150 days and 50 latitude bins for each day.

I'm plotting the image using

```
im = image(values)
```

and the image appears as expected but I want to add a y axis to label the values of theta. Each of the 50 latitude bins is uniform in sin(theta) going from -1 to +1 but I want the axis to be in terms of theta going from -90 to +90 degrees.

I've looked at the coord\_transform function in axis and that can get me from (-1, 1) to (-90, 90) but the scaling is then wrong because the latitude values aren't uniform in theta but sin(theta).

I'm completely drawing a blank on how to do this. Any help would be greatly appreciated!

---