

R Markdown Example

dMed Global

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I love Peppa Pig

$$x^2 + \frac{y^2}{0.85^2} = 1$$
$$\frac{(x + 0.9)^2}{0.1^2} + \frac{y^2}{0.3^2} = 1$$
$$\frac{(x - 0.9)^2}{0.1^2} + \frac{y^2}{0.5^2} = 1$$

```
library(ggplot2)
semi_c_x<-seq(-1,1,by=0.01)
semi_c_y<-sqrt(1-semi_c_x^2)*0.85
semi_le_x<-seq(-1,-0.9,by=0.01)
semi_le_y<-sqrt(0.3^2*(1-(((semi_le_x+0.9)^2/0.1^2))))
semi_re_x<-seq(0.9,1,by=0.01)
semi_re_y<-sqrt(0.5^2*(1-(((semi_re_x-0.9)^2)/0.1^2))))
```

