

CliffordBasic calculations for Figure 1.20 reflection (reflectionFig1.eps), but not the figure itself. Also has mmacell output for the input and output cells for this calculation.

```
<< CliffordBasic`;  
$SetSignature = {2, 0};  
Import[  
  "https://raw.githubusercontent.com/jkuczm/MathematicaCellsToTeX/master/NoInstall.  
  m"]  
  
ClearAll[u, x, uu, invu, i, o, proj, rej, ux, uxu]  
u = 4 e[1] + 2 e[2];  
x = 3 e[1] + 3 e[2];  
uu = InnerProduct[u, u];  
invu = u / uu;  
i = InnerProduct[x, u];  
o = OuterProduct[x, u];  
proj = i invu // N // Simplify  
rej = GeometricProduct[o, invu] // N // Simplify  
ux = GeometricProduct[u, x]  
uxu = GeometricProduct[ux, invu] // N // Simplify  
3.6 e[1] + 1.8 e[2]  
-0.6 e[1] + 1.2 e[2]  
18 + 6 e[1, 2]  
4.2 e[1] + 0.6 e[2]
```

Construct mmaCell's

Manual cell construction for first mmaCell experiments.