Factorisation of Motions

```
>
> read(taux):
> read(predef):
>
```

⊞ Factorisation of Quaternion Polynomials

⊞ Motion Polynomials

⊞ Motions

⊞ Linkages

⊞ The Theory of Bonds

⊞ Results and Open Questions

⊟ Homework

Construct an animation of a 7R linkage.

First, construct a sequence of 7 motion polynomials m1,..,m7 in t such that

- Mulall(m1,..,m7) is a real polynomial

- mi is a revolution polynomial for i =1..7

- if j=i+1 mod 7, then Mul(mi,mj) is not a revolution polynomial

Then execute the following line in Maple:

```
> display(movemots([m1,m2,m3,m4,m5,m6,m7],t,51),insequence=true);
```

The program movemots takes a list of motion polynomials satisfying the three conditions above, the variable, and an integer which is the desired number of frames. It produces a sequence of 3d objects which can then be displayed as above.

⊞ The Team