

Chapitre 11 – Exercice 67

Copie d'écran Xcas en mode Geo 3d

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1 P:=plan(5x-2y=7)
    pnt(pnt[hyperplan([5,-2,0],point[0,-7/2,0]),0,"P"])

2 d1:=droite([1+t,-3+t,5+t],t)
    pnt(pnt[line[point[1,-3,5],point[2,-2,6]],0,"d1"])

3 est_parallel(d1,P)
    0

4 inter(d1,P)
    [pnt(pnt[point[-1/3,-13/3,11/3],0])]

5 d2:=droite([2+2t,1+5t,-3+t],t)
    pnt(pnt[line[point[2,1,-3],point[4,6,-2]],0,"d2"])

6 est_parallel(d2,P)
    1

7 est_element(point([2,1,-3]),P)
    0

8 d3:=droite([3,4,2+5t],t)
    pnt(pnt[line[point[3,4,2],point[3,4,7]],0,"d3"])

9 est_parallel(d3,P)
    1

10 est_element(point([3,4,2]),P)
    1
```