

restart

$r1 := 3 \cdot x + y - z - 7 = 0; r2 := x + 2 \cdot y - 5 \cdot z - 15 = 0; r3 := 3 \cdot x + 5 \cdot y + 2 \cdot z - 9 = 0;$

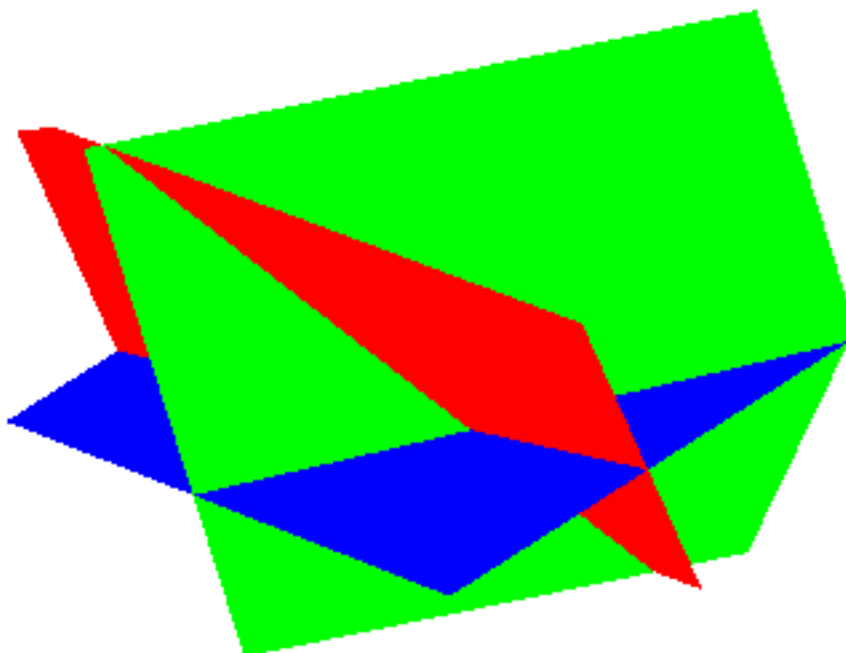
$$3x + y - z - 7 = 0$$

$$x + 2y - 5z - 15 = 0$$

$$3x + 5y + 2z - 9 = 0$$

(1)

$plots[implicitplot3d]([r1, r2, r3], x=-6..6, y=-6..6, z=-6..6, color=[red, blue, green], style=[patchnograd, scaling=constrained])$



$r1 := x + y + z - 5 = 0; r2 := 3 \cdot x - 2 \cdot y + z - 3 = 0; r3 := 4 \cdot x - y + 2 \cdot z - 10 = 0;$

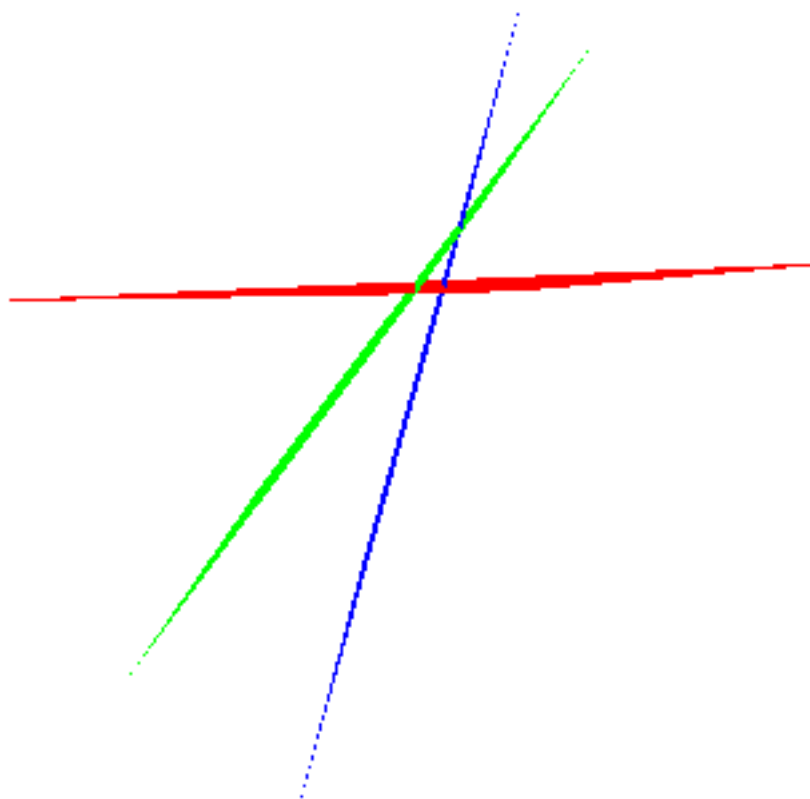
$$x + y + z - 5 = 0$$

$$3x - 2y + z - 3 = 0$$

$$4x - y + 2z - 10 = 0$$

(2)

$plots[implicitplot3d]([r1, r2, r3], x=-6..6, y=-6..6, z=-6..6, color=[red, blue, green], style=[patchnograd, scaling=constrained])$



$r1 := x + 2 \cdot y + z - 1 = 0; r2 := 3 \cdot x - z - 6 = 0; r3 := 7 \cdot x - 4 \cdot y - 5 \cdot z - 16 = 0;$

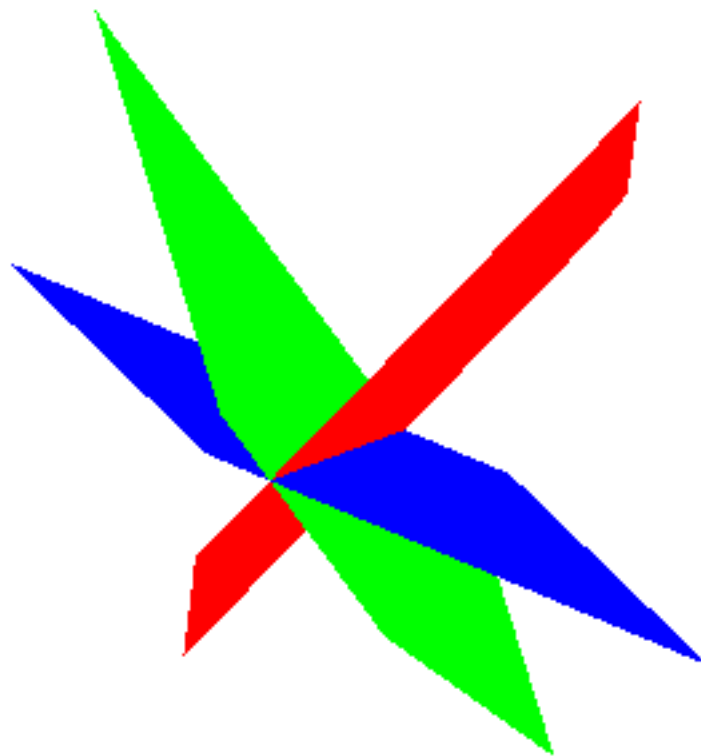
$$x + 2y + z - 1 = 0$$

$$3x - z - 6 = 0$$

$$7x - 4y - 5z - 16 = 0$$

(3)

`plots[implicitplot3d]([r1, r2, r3], x=-6..6, y=-6..6, z=-6..6, color=[red, blue, green], style=patchnogrid, scaling=constrained)`



```
r1 := x - 2·y + z - 1 = 0; r2 := 2·x - 4·y + 2·z - 2 = 0; r3 := -5·x + 10·y - 5·z + 5 = 0;
```

$$x - 2y + z - 1 = 0$$

$$2x - 4y + 2z - 2 = 0$$

$$-5x + 10y - 5z + 5 = 0$$

(4)

```
plots[implicitplot3d]([r1, r2, r3], x=-6..6, y=-6..6, z=-6..6, color=[red, blue, green], style  
=patchnogrid, scaling=constrained)
```

