1

$1,2$

th

GILDAS
SOFTWARE

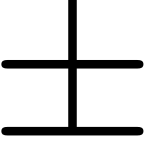
$$s^{-1}$$

J

N

K_a

K_c

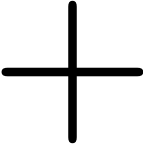


K

v

F_1

F



Λ

l

S

n

$$S = 1/2$$

$$I_N = 1$$

$$I_H = 1/2$$

$$N + S = J$$

$$J + I_N = F_1$$

$$I_{H1} + I_{H2} = I_{tot}$$

$$F_1 + I_{tot} = F$$

$$I_{tot}$$

$$F = 0$$

$$N = 3$$

$$F = 3 + 2.5 = 6 – 0.5 = 5.5$$

$$J = 3.5$$

$$F_1 = 4.5$$

$$I_{tot} = 1.0$$

$$N = 4$$

$$F = 6.5$$

$$J = 4.5$$

$$F_1 = 5.5$$

$$N = 5$$

$$N = 5.5$$

$$F_1 = 6.5$$

$$I_{tot} = 0.0$$

$$N = 6$$

$$N = 6.5$$

$$F_1 = 7.5$$

$$F = 7.5$$