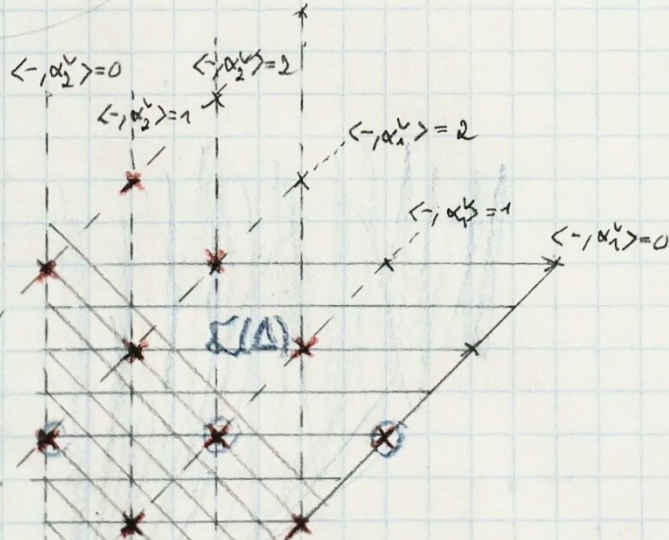
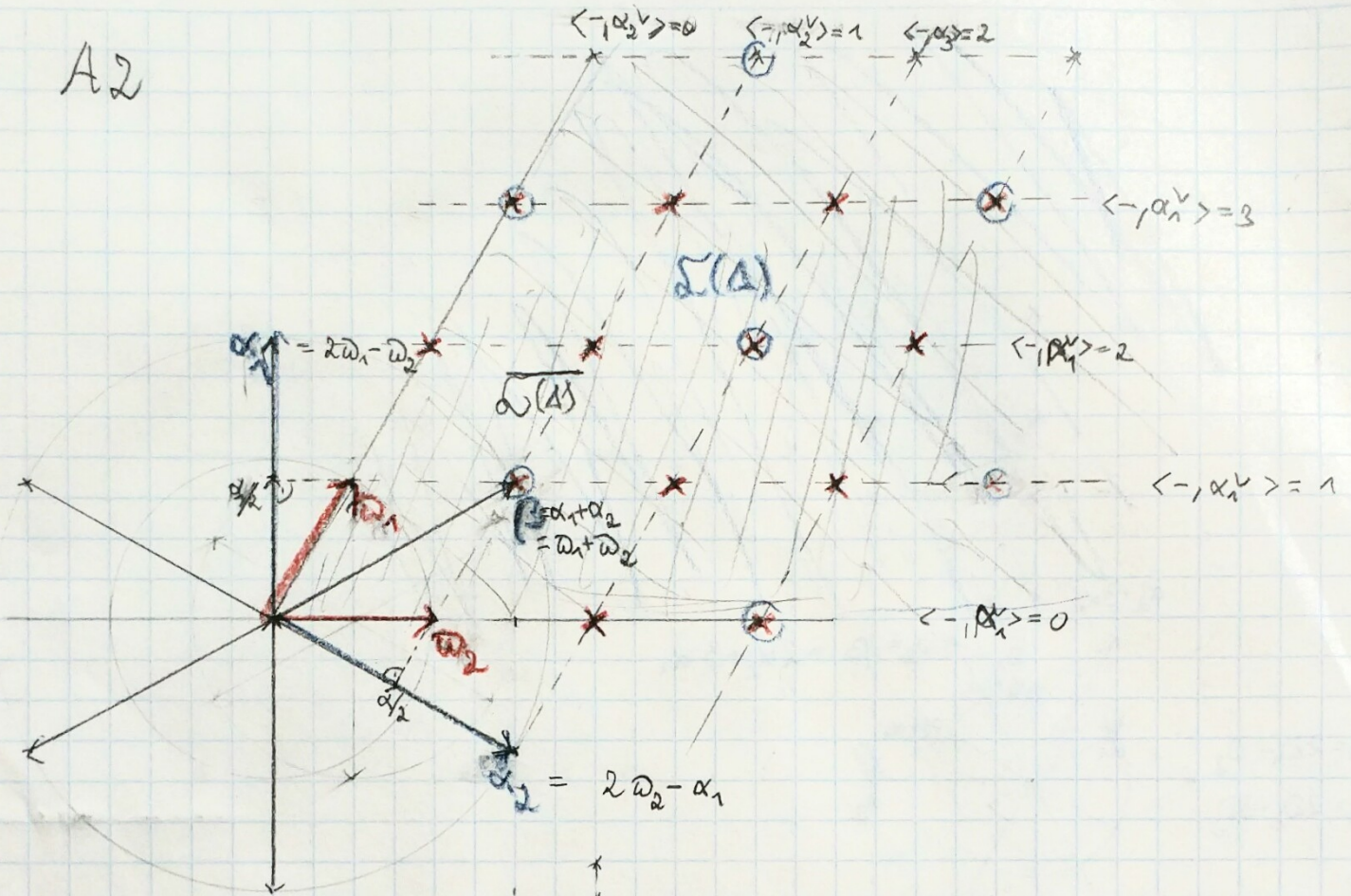
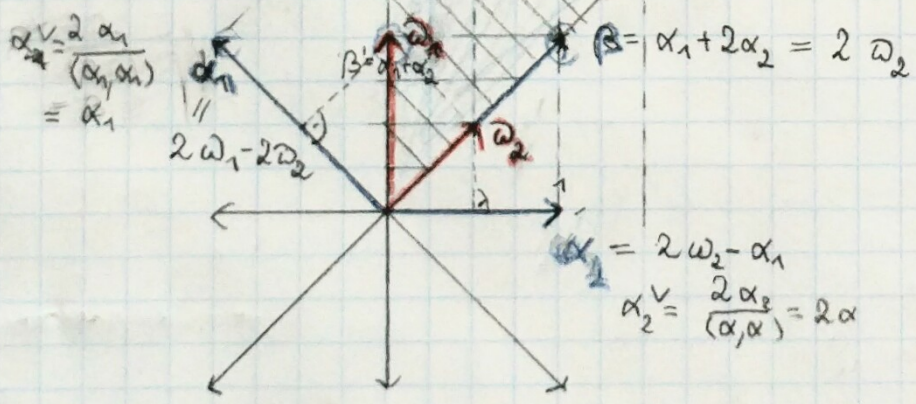


A2

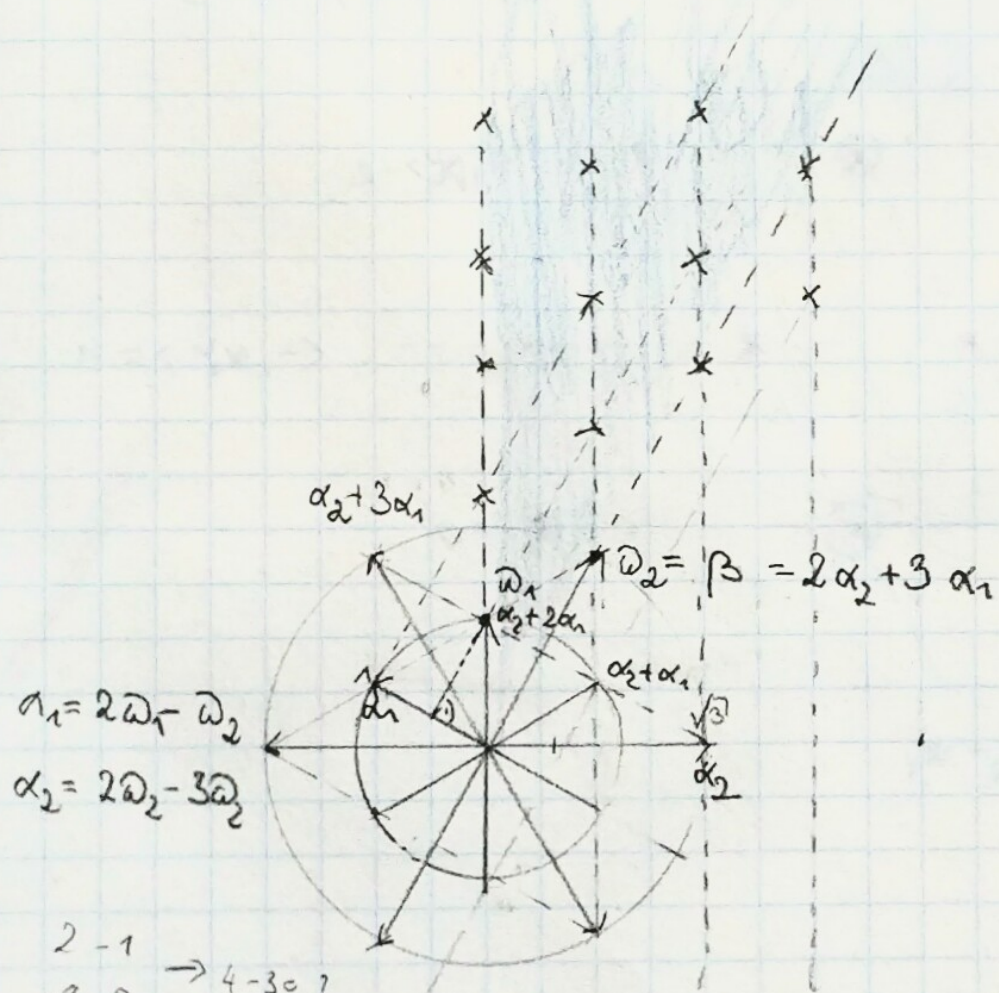


B2



$$\alpha_i = \sum_j \langle \alpha_i, \alpha_j^v \rangle \omega_j$$

G2



$$\begin{pmatrix} 2 & -1 \\ -3 & 2 \end{pmatrix} \rightarrow 4 - 3 = 1$$

$$\begin{pmatrix} 2 & -1 \\ -2 & 2 \end{pmatrix} \rightarrow 2 - 4 = -2$$

$$\sqrt{3} \rightarrow \frac{2}{3}\sqrt{3} \quad \frac{4}{3}$$

$$\frac{8}{2\sqrt{3}} \frac{\sqrt{3}}{\sqrt{3}} = \frac{\sqrt{3}}{2}$$