Общий вид решения при $\gamma \geq 0$

$$\lambda^{(1,2)}{}_k = \frac{4}{h^2}\sin^2\left(\frac{\pi k}{N} \mp \frac{\psi}{2N}\right), \quad \psi = \arccos\gamma.$$

$$\mu^{(k,1)}{}_j = \sin\left(\frac{2\pi k - \psi}{N} j\right), \quad \mu^{(k,2)}{}_j = \sin\left(\frac{2\pi k + \psi}{N} j\right).$$

$$k = 1,2,\ldots,m$$