We consider Nehari’s problem in the case of non-uniqueness of solution. The solution set is then parametrized by the unit ball of $H^\infty$ by means of so-called regular generators — bounded holomorphic functions $\phi$. The definition of regularity is given below, but let us mention now that 1) the following assumption on modulus of $\phi$ is sufficient for regularity:
\[
\frac{1}{1-|\phi|^2} \in L^1(\mathbb{T});
\]
2) there is no necessary and sufficient condition of regularity on bounded holomorphic $\phi$ in terms of $|\phi|$ on $\mathbb{T}$, this is the result of A. Kheifits. This makes reasonable the attempt to find a weaker sufficient condition on $|\phi|$ than the condition in 1). This is done here. Also we are discussing certain new necessary and sufficient conditions of regularity in terms of bounded mean (weighted) oscillations of $\phi$. They involve the matrix $A_2$ condition of Treil-Volberg. (Received September 03, 2008)