Journal de Théorie des Nombres
de Bordeaux **11** (1999), 331–344

On inhomogeneous Diophantine approximation with some quasi-periodic expressions, II

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Abstract. We consider the values concerning

$$\mathcal{M}(\theta, \phi) = \liminf_{|q| \to \infty} |q| \| q\theta - \phi \|$$

where the continued fraction expansion of θ has a quasi-periodic form. In particular, we treat the cases so that each quasi-periodic form includes no constant. Furthermore, we give some general conditions satisfying $\mathcal{M}(\theta, \phi) = 0$.

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Manuscrit reçu le 2 avril 1998.