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## On Embedding of the Class $H^{\omega}$

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**Abstract:** In [4] we extended an interesting theorem of Medvedeva [5] pertaining to the embedding relation  $H^{\omega} \subset \Lambda BV$ , where  $\Lambda BV$  denotes the set of functions of  $\Lambda$ -bounded variation, which is encountered in the theory of Fourier trigonometric series. Now we give a further generalization of our result. Our new theorem tries to unify the notion of  $\varphi$ -variation due to Young [6], and that of the generalized Wiener class  $BV(p(n) \uparrow)$  due to Kita and Yoneda [3]. For further references we refer to the paper by Goginava [2].



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