

# WEIGHTED APPROXIMATION IN $\mathbb{C}$

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ABSTRACT. We prove that if  $\{\phi_j\}_j$  is a sequence of subharmonic functions which are increasing to some subharmonic function  $\phi$  in  $\mathbb{C}$ , then the union of all the weighted Hilbert spaces  $H(\phi_j)$  is dense in the weighted Hilbert space  $H(\phi)$ .