

Options=[sansmath]

The boundedness of  $\Phi_0$  then yields

$$\int_D |\overline{\partial} u|^2 e^{\alpha|z|^2} \geq c_6 \alpha \int_D |u|^2 e^{\alpha|z|^2} + c_7 \delta^{-2} \int_A |u|^2 e^{\alpha|z|^2}.$$

Let  $B(X)$  be the set of blocks of  $\Lambda_X$  and let  $b(X) := |B(X)|$ . If  $\varphi \in Q_X$  then  $\varphi$  is constant on the blocks of  $\Lambda_X$ .

$$P_X = \{\varphi \in M \mid \Lambda_\varphi = \Lambda_X\}, \qquad Q_X = \{\varphi \in M \mid \Lambda_\varphi \geq \Lambda_X\}. \tag{1}$$

If  $\Lambda_\varphi \geq \Lambda_X$  then  $\Lambda_\varphi = \Lambda_Y$  for some  $Y \geq X$  so that

$$Q_X = \bigcup_{Y \geq X} P_Y.$$

Thus by Möbius inversion

$$P_Y = \sum_{X \geq Y} \mu(Y, X) Q_{\hat{X}}.$$

Thus there is a bijection from  $Q_X$  to  $W^{B(X)}$ . In particular  $|Q_X| = w^{b(X)}$ .