998-46-319 **Maribel Loaiza*** (`mloaiza@matem.unam.mx`), Instituto de Matematicas, UNAM, Area de la investigacion cientifica, circuito exterior, Ciudad Universitaria, 04510 Mexico, D.F., Mexico, **Marcos Lopez-Garcia** (`flopez@matem.unam.mx`), Instituto de Matematicas, UNAM, Area de la investigacion cientifica, circuito exterior, Ciudad Universitaria, 04510 Mexico, D.F., Mexico, and **Salvador Perez-Esteva** (`salvador@matcuer.unam.mx`), Instituto de Matematicas, Unidad Cuernavaca, Apartado Postal 273-3 ADMON 3, 62251 Cuernavaca, Morelos, Mexico. *Herz classes and Toeplitz operators in the disk.*

Decompose Δ into diadic annuli $\{A_n : n \in \mathbb{N}\}$ and consider the class $S_{p,q}$ of Toeplitz operators T_φ for which the sequence of Schatten norms $\left(\|T_{\varphi_n}\|_p \right)_{n \in \mathbb{N}}$ belongs to ℓ^q, where $\varphi_n = \varphi \chi_{A_n}$. We study the boundedness and compactness of the operators in $S_{p,q}$ and we describe the operators T_φ, $\varphi \geq 0$ in these spaces in terms of weighted Herz norms of the averaging operator of the symbols φ. (Received March 01, 2004)