

# Index

- $A^1$ , 21
- $A_+^q$ , 10
- $A_+^{q,1}$ , 21
- $B(x, r)$ , 22
- $CU(A)$ , 8
- $C_{\mathcal{P}}$ , 25
- $DU(A)$ , 8
- $D_A$ , 23
- $G^{\mathcal{P}}$ , 26
- $J_c$ , 23
- $KK$ -pair, 25
- $KK$ -triple, 25
- $KK(A, B)^{++}$ , 24
- $KL$ , 24
- $KL$ -triple, 25
- $KL_e(A, B)^{++}$ , 24
- $L^{\ddagger}$ , 27
- $M_{\mathbb{p}}$ , 135
- $M_{\varphi_1, \varphi_2}$ , 109
- $P(A)$ , 30
- $QT(A)$ , 28
- $R_{\varphi, \psi}$ , 189
- $S(A)$ , 30
- $SB$ , 28
- $S_{[1, A]}(K_0(A))$ , 22
- $T \times N$ - $\mathcal{H}$ -full, 21
- $T_e(A)$ , 229
- $T_f(A)$ , 9
- $T_{2, k}$ , 149
- $T_{3, k}$ , 149
- $U(A)$ , 7
- $V(A)$ , 28
- $W(A)$ , 28
- $[L]_{\mathcal{P}}$ , 24
- $\text{Aff}(T(A))$ , 9
- $\Gamma(\text{Bott}(\varphi, v))$ , 199
- $\beta^{(0)}$ , 26
- $\tilde{x}$ , 28
- $\overline{\text{Tr}}$ , 10
- $\overline{\text{Inn}}(B, A)$ , 22
- $\varphi^{\ddagger}$ , 22
- $\varphi^{\#}$ , 22
- $\varphi_T$ , 22
- $\pi_e$ , 109
- $\prod^b K_1(B_n)$ , 74
- $\prod_b K_0(B_n)$ , 74
- $\rho_A$ , 22
- $\tau_{A/I}$ , 31
- $\underline{K}(A)$ , 24
- $n\hat{A}$ , 36
- $a \lesssim b$ , 28
- $d_\tau$ , 28
- $f_\eta$ , 22
- $gTR(A) \leq 1$ , 129
- $r_A$ , 22
- $\mathbf{H}$ , 30
- $\mathbf{H}^{(0)}$ , 30
- $\mathcal{B}_0$ , 129
- $\mathcal{B}_1$ , 129
- $\mathcal{F}$ - $\varepsilon$ -multiplicative, 24
- $\mathcal{N}$ , 23
- $S_k$ , 36
- $\mathcal{Z}$ -stable, 23
- $\mathcal{Z}$ , the Jiang-Su algebra, 23
- $\text{Bott}(\varphi, v)$ , 27
- $\text{Ell}(A)$ , 22
- $\text{Hom}_\Lambda(\underline{K}(A), \underline{K}(B))$ , 24
- $\text{LAff}_b(T(A))$ , 9
- $\text{Prim}(A)$ , 28
- $\text{bott}_0$ , 27
- $\text{bott}_1$ , 27
- $\text{cel}(u)$ , 8
- $\text{cer}(u)$ , 21
- asymptotically unitarily equivalent, 194
- Cuntz semi-group, 28
- Duans-Hofmann Theorem, 28
- Elliott invariant, 22
- Exel formula, 121
- faithful trace, 9
- finite scale, 230
- full, 21
- full map, 21

- generalized tracial rank at most one, 129
- length, 8
- mapping torus, 109
- Pedersen ideal, 228
- quasidiagonal, 81
- real rank zero, 80
- residually finite dimensional  $C^*$ -algebras,  
51
- rotation map, 189
- stable rank one, 18
- strict comparison, 28
- supernatural number, 135
- supernatural number of infinite type, 135
- the map  $\beta$ , 26
- trace-collapsing, 220
- Voiculescu pair, 15