

<p>CLASSICAL</p>	<p>Classical variables Differential forms Chern classes</p>	<p>Variation Infinite dimensional Function spaces Wiener measure</p>
<p>QUANTUM</p>	<p>Quantum geometry Fredholm operators Index Cyclic cohomology</p>	<p>Subalgebras Correspondence Multiplier algebras Supersymmetry</p>

	<i>Atiyah-Singer context</i>	<i>QFT context</i>
sheaf structure	functions on manifold \mathcal{V}	net (sheaf)
smooth structure	smooth functions	net of dens
differential operator	sheaf map	localized en
elliptic operator	Fredholm operator	finite index
analytical index	Fredholm index	minimal dir
integrality	Fredholm index $\in \mathbb{Z}$	statistical c
geometric index	associated with (D, \mathcal{V})	associated
cohomology	De Rham	Roberts; cy
deformation invariance	intrinsic	perturbatio
Chern character	Chern character	KMS pairin
Hamiltonian	Laplacian	Killing Ham
grading	Dirac operator	supersymm
spectral formula	heat kernel	(super)-Gib