
13 Kernel of downward shift operators

Proposition 3.21 gives a necessary condition for $(S^3)_{-1}$, respectively $(S^{-3})_{-1}$, to have a non-trivial kernel. For each of the three cases we carry out computations supporting the proof.

13a. N-trivial Fourier term modules

13b. Generic abelian Fourier term modules

13c. Non-abelian case