

Weyl's theorem for algebraically quasi-class A operators

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In this talk, we show that if T or T^* is an algebraically quasi-class A operator acting on an infinite dimensional separable Hilbert space then Weyl's theorem holds for $f(T)$ for every $f \in H(\sigma(T))$, where $H(\sigma(T))$ denotes the set of all analytic functions in an open neighborhood of $\sigma(T)$. Also, we establish that the spectral mapping theorems for the Weyl spectrum and the essential approximate point spectrum of T for every $f \in H(\sigma(T))$, respectively.