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Passage of property (gw) from two operators to their tensor product. (English) [Zbl 1373.47017](#)
Ital. J. Pure Appl. Math. 36, 283-292 (2016).

Summary: A Banach space operator satisfies property (gw) if the complement of its B-Weyl essential approximate point spectrum in its approximate point spectrum is the set of isolated eigenvalues of the operator. We give necessary and/or sufficient conditions ensuring the passage of property (gw) from two Banach space operators A and B to their tensor product. In particular, we present a revised version of Theorem 2.3 in [*M. H. M. Rashid*, Ukr. Math. J. 64, No. 9, 1464–1474 (2013); translation from Ukr. Mat. Zh. 64, No. 9, 1289–1296 (2012; [Zbl 1288.47020](#))].

MSC:

- [47A80](#) Tensor products of linear operators
- [47A53](#) (Semi-) Fredholm operators; index theories
- [47A10](#) Spectrum, resolvent
- [47A11](#) Local spectral properties of linear operators

Keywords:

property (gw) ; generalized a -Weyl's theorem; tensor product

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