

## INVERTIBILITY FOR SPECTRAL TRIANGLES

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*Abstract.* A spectral inclusion for block triangles is extended to “spectral” triangles.

*Mathematics subject classification (2000):* 47A10.

*Key words and phrases:* Banach algebra, block structure, spectral triangle.

### REFERENCES

- [1] J. K. FINCH, *The single valued extension property on a Banach space*, Pacific Jour. Math. **58** (1975) 61-69.
- [2] R. E. HARTE AND A. W. WICKSTEAD, *Boundaries, hulls and spectral mapping theorems*, Proc. Royal Irish Acad. **81A** (1981) 201-208.
- [3] R. E. HARTE, *Invertibility and singularity*, Dekker 1988.
- [4] R. E. HARTE, *Invertibility and singularity for operator matrices*, Proc. Royal Irish Acad. **88A** (1988) 103-188.
- [5] R. E. HARTE, *Block diagonalization in Banach algebras*, Proc. Amer. Math. Soc. **129** (2001) 181-190.
- [6] R. E. HARTE, *Arens-Royden and the spectral landscape*, Filomat (Nis) **16** (2002) 31-42.
- [7] R. E. HARTE AND C. HERNANDEZ, *Adjugates in Banach algebras*, Proc. Amer. Math. Soc. **134** (2005) 1397-1404.
- [8] H.-K. DU AND J. PAN, *Perturbations of spectrums of  $2 \times 2$  operator matrices*, Proc. Amer. Math. Soc. **121** (1994) 761-766.
- [9] J. K. HAN, H. Y. LEE AND W. Y. LEE, *Invertible completions of  $2 \times 2$  upper triangular operator matrices*, Proc. Amer. Math. Soc. **128** (2000) 119-123.
- [10] M. HOUMIDI AND H. ZGUITTI, *Propriétés spectrales locales d'une matrice carree des operateurs*, Acta Math. Vietnamica **25** (2000) 137-144.
- [11] S. V. DJORDJEVIC AND Y. M. HAN, *A note on Weyl's theorem for operator matrices*, Proc. Amer. Math. Soc. **131** (2003) 2543-2547.
- [12] I. H. JEON AND J. W. LEE, *Weyl's theorem for operator matrices and the single valued extension property*, Glasgow Math. Jour. **48** (2006) 567-573.
- [13] H. RADJAVI AND P. ROSENTHAL, *Invariant subspaces*, Springer 1973.
- [14] P. AIENA AND M. GONZALEZ, *Essentially incomparable Banach spaces and Fredholm theory*, Proc. Royal Irish Acad. **93A** (1993) 49-59.
- [15] M. GONZALEZ, *On essentially incomparable Banach spaces*, Math. Zeit. **215** (1994) 621-629.