

Erratum to the paper of E. Bécache and M. Kachanovska 'Stable perfectly matched layers for a class of anisotropic dispersive models. Part I: Necessary and sufficient conditions of stability ', as well as 'Stable perfectly matched layers for a class of anisotropic dispersive models. Part I: Necessary and sufficient conditions of stability. Extended version.'

- The statement of Lemma 4.3 should be altered.

**Original statement:** Let  $r(s)$  be a passive function satisfying Assumption 4.1. Then all of its poles and zeros are real.

**Correct statement:** Let  $r(s)$  be a passive function satisfying Assumption 4.1. Then all the poles and zeros of  $\tilde{r}(\omega) = r(-i\omega)$  are real.