

## On operator hyperreflexivity of subspace lattices

Kamila Kliś-Garlicka, Agricultural University of Krakow, Poland

Let  $\mathcal{H}$  denote a Hilbert space and  $\mathcal{P}(\mathcal{H})$  a lattice of all orthogonal projections on  $\mathcal{H}$ .

A subspace lattice  $\mathcal{L}$  is called *operator hyperreflexive* if there is a constant  $C > 0$  such that

$$\text{dist}(P, \mathcal{L}) \leq C \sup_{\|x\| \leq 1} \text{dist}(Px, \mathcal{L}x)$$

for all projections  $P \in \mathcal{P}(\mathcal{H})$ .

Some results and examples will be presented. In particular we will show that all orthogonal complemented CSL are operator hyperreflexive.