■ Michael Dreher Michael Dreher - University of Konstanz, Germany, email: michael.dreher@uni-konstanz.de Dissipativity for mixed order systems

Abstract

We consider elliptic systems of Douglis-Nirenberg type, defined in mixed order Sobolev spaces of L^p type, endowed with a suitable norm. For such function spaces, we determine the subdifferential of the norm and present conditions on the mixed order elliptic operator to generate a contraction semigroup in the function space.