Zbigniew Hajto* (rmhajto@cyf-kr.edu.pl), ul. Czarnowiejska 41/65, 30 049 Krakow, Poland, Cracow, Poland, and Teresa Crespo. Galois embedding problems and symmetric powers.

We consider a Galois embedding problem given by a finite projective group and its special linear lifting. We give an equivalent condition to the solvability of such an embedding problem and a method of construction of its solutions. (Received February 15, 2005)