1041-82-103 Vieri Mastropietro* (mastropi@axp.mat.uniroma2.it), via della Ricerca Scientifica, 00184 Roma, Italy. Extended scaling relations for planar lattice models.

It is widely believed that the critical properties of several planar lattice models, like the Eight Vertex or the Ashkin-Teller models, are well described in the scaling limit by an effective Quantum Field Theory, and on the basis of this assumption several extended scaling relations between their indices were derived. We prove the validity of some of them by using the methods of constructive renormalization. (Received August 06, 2008)