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Erik Guentner* (erik@math.hawaii.edu), Department of Mathematics, University of Hawaii at Manoa, 2565 McMarthy Mall, Honolulu, HI 96822, and Nigel Higson, Jacek Brodzki, Sarah Campbell, Graham Niblo and Nick Wright. Functional analytic properties of cubical complexes.

We will describe functional analytic properties of groups acting on or coarsely embedding in CAT(0) cubical complexes. This is a report on joint projects of the author with N. Higson (Penn State University) and with J. Brodzki, S. Campbell, G. Niblo and N. Wright (University of Southampton). (Received September 20, 2007)