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On the SC(X) functor

Abstract. We construct a functor SC(X) from the category of continua to the category of cell-like continua. In the case when X is an *n*-dimensional Peano continuum we get an (n + 1)-dimensional celllike Peano continuum. If $\pi_1(X)$ is nontrivial then $\pi_2(SC(X))$ is also nontrivial. So if $X = S^1$ then we get a 2-dimensional nonaspherical cell-like Peano continuum $SC(S^1)$. The main purpose of this talk is to prove that if $\pi_1(X) = 0$ then $\pi_2(SC(X)) = 0$ and to prove some generalizations of this fact.