On the additivity of strong homology for locally compact second countable spaces

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Recently Bergfalk and Lambie-Hanson showed that in the weakly compact Hechler model, the higher derived limits $\lim^n \mathbf{A}$ vanish for all n, where $\mathbf{A}$ is a certain inverse system of abelian groups indexed by ω^ω. We generalize this result and use it to show that in the weakly compact Hechler model, strong homology is additive for the class of locally compact second countable spaces.

TOPOSYM

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