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*Instability of Asymptotic Cones of Symmetric Spaces*

In continuous logic, asymptotic cones of a pointed metric space  $(X, p, d)$  are ultraproducts  $\prod(X, p, d/n)$  where  $d/n$  is a rescaling of the metric  $d$ . Asymptotic cones of symmetric spaces are objects with additional structure called R-buildings. I will discuss the definability of this additional structure over the pure pointed metric space, and how this leads to instability.