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The topology of continua that are approximated by subcontinua.

Suppose that $\{Y_i\}_{i=1}^{\infty}$ is a disjoint collection of subcontinua of continuum X such that $\lim_{i\to\infty} \mathrm{d}_H(Y_i, X) = 0$ where d_H is the Hausdorff metric. Then the following are true:

1. X is non-Suslinean.
2. If each Y_i is chainable and X is finitely cyclic, then X is indecomposable or the union of 2 indecomposable subcontinua.
3. If X is G-like, then X is indecomposable.
4. If $\{Y_i\}_{i=1}^{\infty}$ all lie in the same ray and X is finitely cyclic, then X is indecomposable.

(Received September 10, 2007)