

## ON $l$ -EQUIVALENCE AND THE Menger PROPERTY

MASAMI SAKAI

For a Tychonoff space  $X$ , we denote by  $C_p(X)$  the space of all real valued continuous functions with the topology of pointwise convergence. We remark that if  $C_p(X)$  and  $C_p(Y)$  are linearly homeomorphic and  $X$  is first countable and Menger (resp., Hurewicz), then  $Y$  is also Menger (resp., Hurewicz).

KANAGAWA UNIVERSITY, HIRATSUKA-CITY, 259-1293, JAPAN  
*E-mail address:* sakaim01@kanagawa-u.ac.jp

---

*Key words and phrases.* Menger; projectively Menger; Hurewicz; projectively Hurewicz;  $l$ -equivalence;  $l$ -invariant; function space.

The work was supported by JSPS KAKENHI Grant Number JP17K05352.