1047-47-36   **Hasan A Al-Halees*** (`hhalees@svsu.edu`), Department of Mathematical Sciences, Saginaw Valley State University, 7400 Bay Rd, University Center, MI 48710, and **Richard J Fleming**. *On 2-local isometries on continuous vector-valued function spaces.*

A (not necessarily linear) mapping ¶ from a Banach space X to a Banach space Y is said to be a 2-*local isometry* if for any pair x, y of elements of X, there is a surjective linear isometry $T : X \to Y$ such that $Tx = \P x$ and $Ty = \P y$. We show that under certain conditions on locally compact Hausdorff spaces Q, K and a Banach space E, every 2-local isometry on $C_0(Q, E)$ to $C_0(K, E)$ is linear and surjective. We also show that every 2-local isometry on ℓ^p is linear and surjective for $1 \le p < \infty, p \ne 2$, but this fails for Hilbert space ℓ^2. (Received December 09, 2008)

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