

median Cocycle. $d^2 = 0$.

8/18/16 @ 11:15 a.
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Find a bad function f'
 $\rightarrow df$ is a nice function. $d^2 f = 0$.

$d(w(x,y,z))$

prove Def median Cocycle
 $m(x,y,z) = dw(x,y,z)$

Ex $w(x,y) + w(y,z) + w(z,x)$.

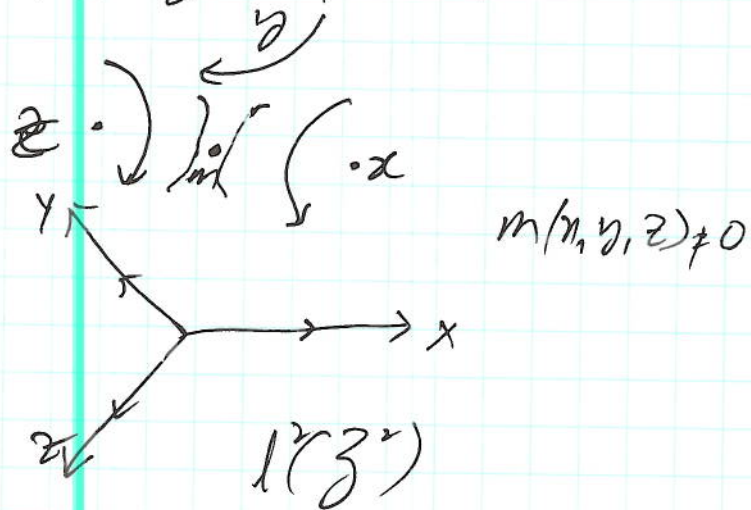
How do you know $[m] \neq 0$?

Assume B is Furuborg - Pissan boundary.

Theorem (CFI) $\exists \varphi: B \rightarrow \partial X$ are roller boundaries

Fact $m \circ \varphi \in \mathbb{Z} \llcorner \dots (B^3, V)^{\mathbb{C}} / \mathbb{C}$

Push forward the measure on B gives + measure to every half space.



Observation, $m = dw$,
 $\|w(x,y)\| \sim d(x,y) < \infty$
ie $w(x,y) \in l^2(\mathbb{Z}^2)$.
 $\Rightarrow [m] = 0$