Theorem (thanks Andrea Bandini)

Let $E \in E$ and $\nu, v_e$ be such that $d \leq 3$ is a smooth manifold.

- $\Delta$ is a cone on the base in the unit sphere.
- $\Theta \in \Theta$.

Fixes (possible)

- Pass to sphere bundle (base, ? section?)

- "Work around" singularities in codim 2 or greater.

Define Thom cochains for proper cooriented maps (extending from 0 to infinity). Follow Quillen's "Elementary proof of ..."

NMI's suggestion: replace $E \otimes E$ by $E \otimes E$, and play some game with section? codim??

Then cochain dictionary

<table>
<thead>
<tr>
<th>Subfields</th>
<th>Cocktails</th>
</tr>
</thead>
<tbody>
<tr>
<td>$E$</td>
<td>$\Sigma$</td>
</tr>
<tr>
<td>$U$</td>
<td>$+$</td>
</tr>
<tr>
<td>$f^{-1}(v)$</td>
<td>$f^{-1}(v)$</td>
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<tr>
<td>$f(v)$</td>
<td>$f(v)$</td>
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</tbody>
</table>

- $f(\nu)$ proper $\Rightarrow$ $\Xi$ isomorphic
- Then $\Delta$.

- Cup product $\cap \delta$
- Character normal bundle $\times$ Steinert operations

Wu formula: $W = M$ subfield $U$ normal bundle.

$f_1 W_2(v) = \Sigma^2 E_w$.