# Examples

## Taper

## November 18, 2016

### Abstract

Nothing here.

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## 1 Nomenclature

## 2 Diagram

# Bad diagrams $E \xrightarrow{\rho} F E \xrightarrow{\rho} F$ $G \qquad G$ Good diagrams $E \xrightarrow{\rho} F$ $G \qquad G$



## 3 Table

## 4 Anchor

## References

[1] s

## Nomenclature

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## 5 License

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Symmetry	Table 1: Constant Spatial Dimension	$\begin{array}{c} {\it lassification} \\ {\it Result} \end{array}$	Other Keywords
Т	0	An intger: the number of particle-occupied Kramers doublet states	
T	1	None	
T	2	$\mathbb{Z}_2$	
T	3	$\mathbb{Z}_2$	$3D$ crystals have additional $3\mathbb{Z}_2$ invariant $\Rightarrow$ "weak topological insulators
Q(?)	2	Characterized by $\mu$ in units of $e^2/h$	TKNN
Q(?)	even d	Topological invariant $(k$ -th Chern number)	
Q(?)	0	number of single-particle states with negative energy $(E < E_F = 0)$ , which are filled with electrons.	
T& Q			
No T & No Q	0	$\mathbb{Z}_2$	
No T & No Q	1	$\mathbb{Z}_2$	"majorana chain"
No T & No Q	2	Topological number is integer.	Even-odd effects.