Table 3: Cross product over complex vectors and its related properties

| Description | Formalized signification |
|---|---|
| Cross product | `\|- !X Y. X ccross Y = vector [X$2 * Y$3 - X$3 * Y$2; X$3 * Y$1 - X$1 * Y$3; X$1 * Y$2 - X$2 * Y$1]` |
| Cross Zero is Zero | `\|- !X. cvector_zero ccross X = cvector_zero /\ X ccross cvector_zero = cvector_zero` |
| Irreflexivity | `\|- !X. X ccross X = cvector_zero` |
| Asymmetry | `\|- !X Y. -- (X ccross Y) = Y ccross X` |
| Distributivity over addition | `\|- !X Y Z. (X + Y) ccross Z = X ccross Z + Y ccross Z /\ X ccross (Y + Z) = X ccross Y + X ccross Z` |
| Distributivity over scalar multiplication | `\|- !c X Y. (c % X) ccross Y = c % (X ccross Y) /\ X ccross (c % Y) = c % (X ccross Y)` |