

Physics/Maths Dictionary

This is of course just for humour. The languages are very different, yet very similar 🇬🇧. Feel free to add any elements to the table.

| Mathematics | Physics |
|---|-------------------------------|
| Curvature | Field Strength |
| Connection | Gauge Potential |
| A section of the fibre bundle | A Gauge Choice |
| Selecting a section of the fibre bundle | Fixing the Gauge |
| Lie Group | Continuous Symmetry Group |
| Lie Algebra | Infinitesimal Transformations |
| Exact Form | Work Form |
| Symplectomorphism | Canonical Transformation |
| Pseudo-riemannian manifold | Spacetime |
| Applying isomorphism induced by metric | Lowering the Index |
| Applying inverse of isomorphism induced by metric | Raising the Index |
| An Element of the Projective Space of a Hilbert Space of L2 Functions | A state in the Hilbert Space |