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BACHELOR'S THESIS

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Noncommutative Geomtetry and Physics

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Some text

Bibliography

- [1] Koen van den Dungen and Walter van Suijlekom. “Electrodynamics from noncommutative geometry”. In: *Journal of Noncommutative Geometry* 7.2 (2013), pp. 433–456. ISSN: 1661-6952. DOI: [10.4171/jncg/122](https://doi.org/10.4171/jncg/122). URL: <http://dx.doi.org/10.4171/JNCG/122>.
- [2] Walter D. van Suijlekom. *Noncommutative Geometry and Particle Physics*. eng. Springer Netherlands, 2015.
- [3] Howard Georgi. *Lie Algebras in Particle Physics From Isospin to Unified Theories*. eng. 2. ed. Westview Press, 1999.
- [4] Thijs van den Broek. *NCG in 4 pages: A very brief introduction into noncommutative geometry*. 2013. URL: <http://www.noncommutativegeometry.nl/wp-content/uploads/2013/09/NCGin4pages1.pdf> (visited on 04/13/2021).
- [5] Peter Bongaarts. *A short introduction to noncommutative geometry*. 2004. URL: <http://www.lorentz.leidenuniv.nl/modphys/ngc-lecture.pdf> (visited on 04/13/2021).
- [6] D.V. Vassilevich. “Heat kernel expansion: user’s manual”. In: *Physics Reports* 388.5-6 (Dec. 2003), pp. 279–360. ISSN: 0370-1573. DOI: [10.1016/j.physrep.2003.09.002](https://doi.org/10.1016/j.physrep.2003.09.002). URL: <http://dx.doi.org/10.1016/j.physrep.2003.09.002>.