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| Title: | splittings of differential matrix algebras |
| Authors: | Kulshrestha, Amit (/jspui/browse?type=author&value=Kulshrestha%2C+Amit) Singla, Kanika (/jspui/browse?type=author&value=Singla%2C+Kanika) |
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| Abstract: | It is well known that central simple algebras are split by suitable finite Galois extensions of their centers. In [4] a counterpart of this result was studied in the set up of differential matrix algebras, wherein Picard-Vessiot extensions that split matrix differential algebras were constructed. In this article, we exhibit instances of differential matrix algebras which are split by finite extensions. In some cases, we relate the existence of finite splitting extensions of a differential matrix algebra to the triviality of its tensor powers, and show in these cases, that orders of differential matrix algebras divide their degrees. |
| Description: | Only IISER Mohali authors are available in the record. |
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