

|       |                  |  |                  |   |  |  |            |     |
|-------|------------------|--|------------------|---|--|--|------------|-----|
| cases | doc_1            |  | doc_2            |   |  |  | decision   | id  |
|       |                  |  |                  |   |  |  | DUPLICATES | 360 |
|       | authors          | <ul style="list-style-type: none"><li>Fernandez, A.</li><li>Restrepo, J.</li><li>Suragan, D.</li></ul> | authors          | <ul style="list-style-type: none"><li>Arran Fernandez</li><li>Joel E. Restrepo</li><li>Durvudkhan Suragan</li></ul>   |  |  |            |     |
|       | title            | Prabhakar-type linear differential equations with variable coefficients                                | title            | Prabhakar-type linear differential equations with variable coefficients   |  |  |            |     |
|       | publication_date | 2022-09-01 00:00:00  | publication_date | 2022-05-25 21:56:03+00:00   |  |  |            |     |
|       | source           | SupportedSources.CROSSREF  | source           | SupportedSources.ARXIV  |  |  |            |     |
|       | journal          |  | journal          | Differential and integral equations, 35(9-10), (2022), 581--610   |  |  |            |     |
|       | volume           |  | volume           |   |  |  |            |     |
|       | doi              | 10.57262/die035-0910-581   | doi              |   |  |  |            |     |
|       | urls             | <ul style="list-style-type: none"><li>http://dx.doi.org/10.57262/die035-0910-581</li></ul>             | urls             | <ul style="list-style-type: none"><li>http://arxiv.org/pdf/2205.13062v1</li><li>http://arxiv.org/abs/2205.13062v1</li><li>http://arxiv.org/pdf/2205.13062v1</li></ul>   |  |  |            |     |
|       | id               | id-421682003617968361  | id               | id1922583431558708121   |  |  |            |     |
|       | abstract         |  | abstract         | Linear differential equations with variable coefficients and Prabhakar-type operators featuring Mittag-Leffler kernels are solved. In each case, the unique solution is constructed explicitly as a convergent infinite series involving compositions of Prabhakar fractional integrals. We also extend these results to Prabhakar operators with respect to functions. As an important illustrative example, we consider the case of constant coefficients, and give the solutions in a more closed form by using multivariate Mittag-Leffler functions. |  |  |            |     |
|       | versions         |  | versions         |   |  |  |            |     |
|       |                  |  |                  |   |  |  |            |     |