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| Title | [Asymptotic Solutions of third order over-damped non-linear systems](https://journals.sagepub.com/doi/abs/10.1177/0954406219867985) with special conditions | | |
| Author(s) Name | Zasmin Haque, M. Ali Akbar, Mo. Rokibul Islam, Md Mashbah Uddin | | |
| Contact Email(s) | ***ali\_math74@yahoo.com*** | | |
| Published Journal Name | Journal of Interdisciplinary Mathematics | | |
| Type of Publication | Journal | | |
| Volume | 11 | Issue |  |
| Publisher |  | | |
| Publication Date | 2008(offline); 2013(online) | | |
| ISSN | 1684-0708(Year 1973-2009) | | |
| DOI | * https://www.tandfonline.com/doi/abs/10.1080/09720502.2008.10700563 | | |
| URL | <https://ores.su/en/journals/journal-of-interdisciplinary-mathematics/> | | |
| Other Related Info. |  | | |
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| Abstract |  |

An asymptotic method based on the Krylov-Bogoliubov-Mitropoliskii (KBM) method has been developed in this article for obtaining the solutions of a third order over-damped no-linear system. For different sets of initial conditions the solutions obtained by this method are better than the solutions found in [13]. The method is illustrated by an example.