# Appendix A: Commonly used radial basis function (RBF) for surrogate response surface construction

**Table A.1.** Basis functions for RBF response surface methods (RSMs).

|  |  |
| --- | --- |
| Method | Basis function |
| Linear |  |
| Cubic |  |
| Gaussian |  |
| Multi-quadratic |  |

Note: is Euclidian distance between and and is a constant.