





Graph of the loss of Best Hermite for approximation (33) and ReLU, Sigmoid, and Tanh.

Table

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| --- | --- | --- | --- | --- | --- |
| Method | Loss Error | # Epochs | # Filters | # Parameters | Training time |
| Our Method |  |  | 128 | 69761 |  |
| ReLU | 0.0012 | 20 | 128 | 66561 | 9m 9s |
| Sigmoid | 0.0024 | 20 | 128 | 66561 | 9m 25s |
| Tanh | 2.38 e-05 | 20 | 128 | 66561 | 9m 35s |