

[Galeev, Eh. M.](#)

Embedding and approximating the intersection of sets and function classes. (Russian)

[Zbl 1106.41022](#)

[Vladikavkaz. Mat. Zh. 6, No. 4, 25-30 \(2004\).](#)

Summary: This is a brief overview of the results related to the problem on approximation of classes of functions with several bounded derivatives posed by V. M. Tikhomirov in 1975.

MSC:

- [41A45](#) Approximation by arbitrary linear expressions
- [46E15](#) Banach spaces of continuous, differentiable or analytic functions
- [46B20](#) Geometry and structure of normed linear spaces
- [42B35](#) Function spaces arising in harmonic analysis

Keywords:

[intersections of classes of periodic functions; Sobolev space; Kolmogorov diameter](#)

Full Text: [EMIS](#)