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Hausdorff Dimension of the Set of Singular and Dirichlet Improvable Vectors
in Function Fields.

We compute the Hausdorff dimension of the set of singular vectors in
function fields and bound the Hausdorff dimension of the Dirichlet improvable vectors in this setting. Our
results are a function field analog of the results of Cheung and Chevallier. This is part of joint work with
Taehyeong Kim.