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Qingquan Wu* (qingquan.wu@tamiu.edu), 5201 University Blvd, EMAP, TAMIU, Laredo, TX 78041. *The divisor class number of Eisenstein cubic function fields.*

We get a lower bound of the 3-torsion part of the divisor class group of Eisenstein-type cubic function fields of characteristic other than 3. The (non-singular) Picard curve case is well-known. As far as we know, this is the first result of singular cubic curves on the positive direction. As for the number field case, Gauss's genus theory tells us the 2-torsion part of the narrow ideal class group of quadratic number fields. Cohen-Lenstra heuristic covers the rest cases.

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