## RESEARCH REPORT (APR. 1ST, 2020 - AUG.21, 2020)

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During the period Apr.1st, 2020 - Aug.21, 2020, we mainly established some  $L_p$  theory (so called the  $L_p$ - $L_q$  decay estimate) to the model problem arising from the study of compressible Navier-Stokes equations, together with Prof.Yoshihiro Shibata (Waseda University). Now this work is available on arXiv (arXiv:2101.09669).

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