

# On the supercritical gKdV equation

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In this talk we discuss some results for the supercritical gKdV equation, such as well-posedness, existence of maximizers for Airy-Strichartz inequalities, concentration of blow-up solutions and scattering. These results were obtained in collaboration with Ademir Pastor (UNICAMP-Brazil), Brian Pigott (Wofford College-USA), Felipe Linares (IMPA-Brazil), Henrique Versieux (UFMG-Brazil), Nicola Visciglia (UNIP-I-Italy). The author was partially supported by CNPq, CAPES and FAPEMIG-Brazil.

## References

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