

# Optimal & Better Transport Plans I & II

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**3:30 - 4:30 pm**  
**WMAX 110**

**UNIVERSITY OF BRITISH COLUMBIA**



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We consider the Monge-Kantorovick transport problem in a purely measure theoretic setting, i.e. without imposing continuity assumptions on the cost function. It is known that transport plans which are concentrated on  $c$ -monotone sets are optimal, provided the cost function  $c$  is either lower semi-continuous and finite, or continuous and possibly attain infinity.



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Paper is on line at <http://arxiv.org/abs/0802.0646>