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Generation of Net Sediment Transport by Velocity Skewness in Oscillatory Sheet Flow

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### Highlights

- Qualitative approach is derived for sediment transport in asymmetric oscillatory sheet flow
- Different exponents of velocity power function of instantaneous transport rate are unified and summarized
- Contributions of phase lag and boundary layer development to sediment transport rate are investigated
- Generation of net sediment transport beneath pure velocity-skewed oscillatory sheet flow and current is illustrated

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