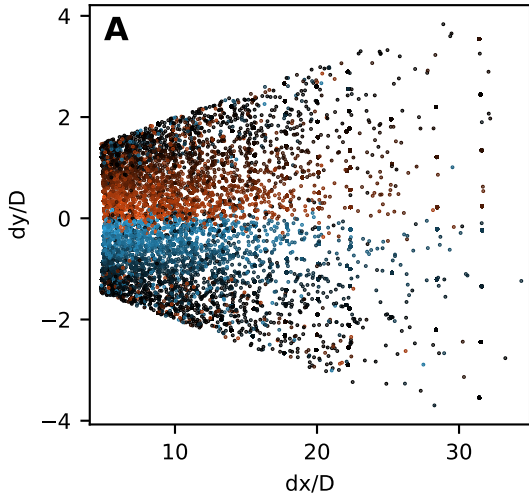


continuously optimized yaw angles



geometric yaw relationship

