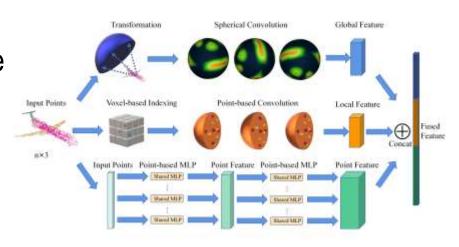
Complementary Multi-Branch CNNs Towards Real-World 3D Point Classification

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- Conventional point-based convolution models are accelerated by utilizing the voxel-based indexing, which reduces 30% time in searching neighbors.
- A point-based spherical CNN is proposed to directly process point clouds.
- In MBCNN, a fusion strategy is utilized to gain features more comprehensively.



The fusion of 3 various branches.