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Slip transfer across phase boundaries in dual phase titanium alloys and the effect on strain rate sensitivity

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1. Strain rate sensitivities of dual phase titanium alloy have been assessed.
2. The stress of dislocation transmission across an phase boundary has been determined.
3. The competition between direct and indirect dislocation transmission is presented.
4. The strain rate sensitivity is found to be strongly affected by the α/β morphology.

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