

## **Sub-twistor metrics**

D.O. Korshunov  
IMPA, Brazil

In the course of his proof of the global Torelli theorem for holomorphically symplectic manifolds, Verbitsky introduced an interesting metric on the period domain which he called sub-twistor. It is defined much in the spirit of geometric control theory with non-holonomic constraints given by twistor spheres. We will discuss basic metric properties of this metric and will see that it is Finsler.