



## **Remote sensing of the yield curve of compacted pack ice**

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This paper is to report the recent development of the new application of remote sensing, i.e. observing the yield curve of compacted pack ice. The basis of this method is the relationship between the angle of intersecting linear kinematic features in sea ice and the slope of the yield curve by assuming pack ice as a plastic material. In this case, by measuring the range of the intersection angle we can inversely calculate the yield curve. Based on the available observations of the intersection angles the yield curve is determined to be a curved diamond. Further observations are encouraged due to the limited data available.