INTRODUCTION TO SAMPLING OF ORIENTED SPECIMENS

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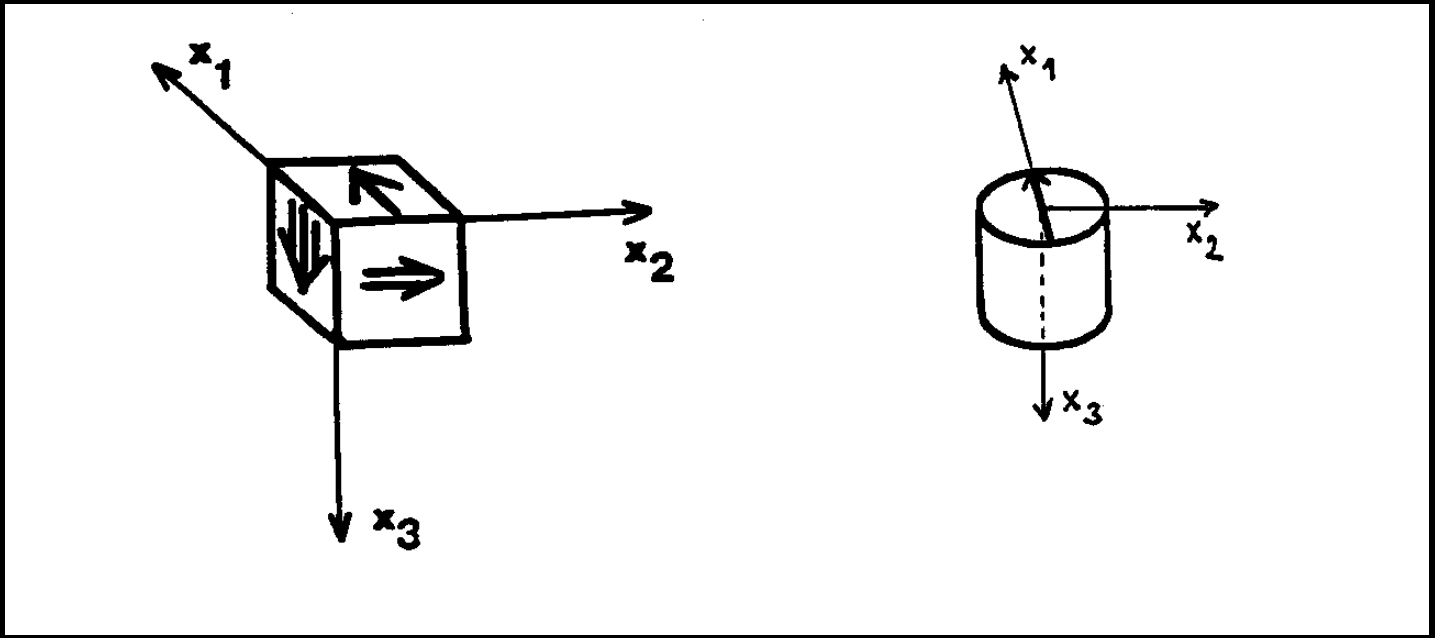
Acknowledgement:
I would like to thank prof. František Hrouda for providing his figures.

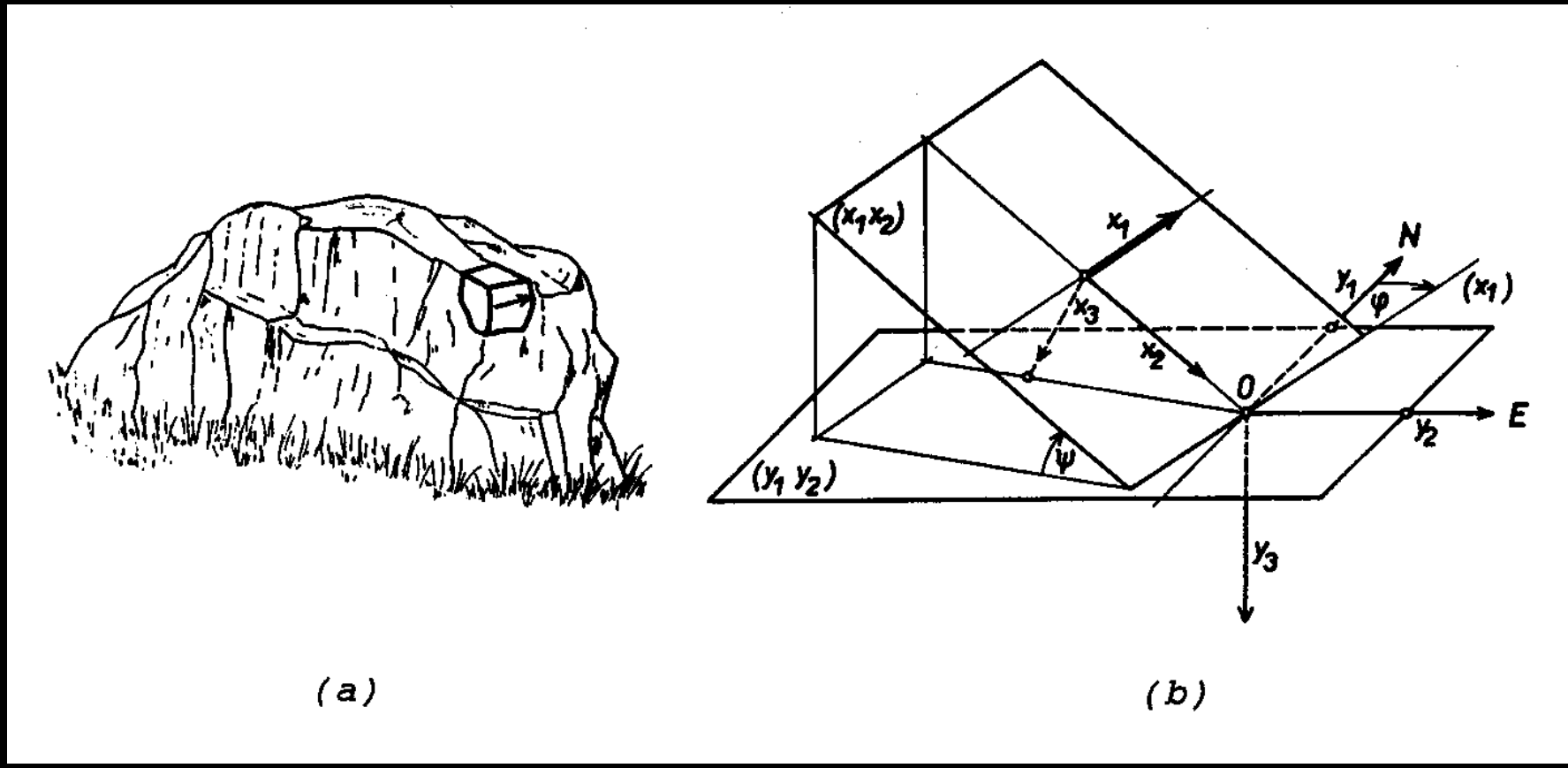
magnetic anisotropy or remanent magnetization are measured in specimen coordinate system



archaomagnetic interpretation is made in the geographic system, therefore data transformation from specimen to geographic system is necessary

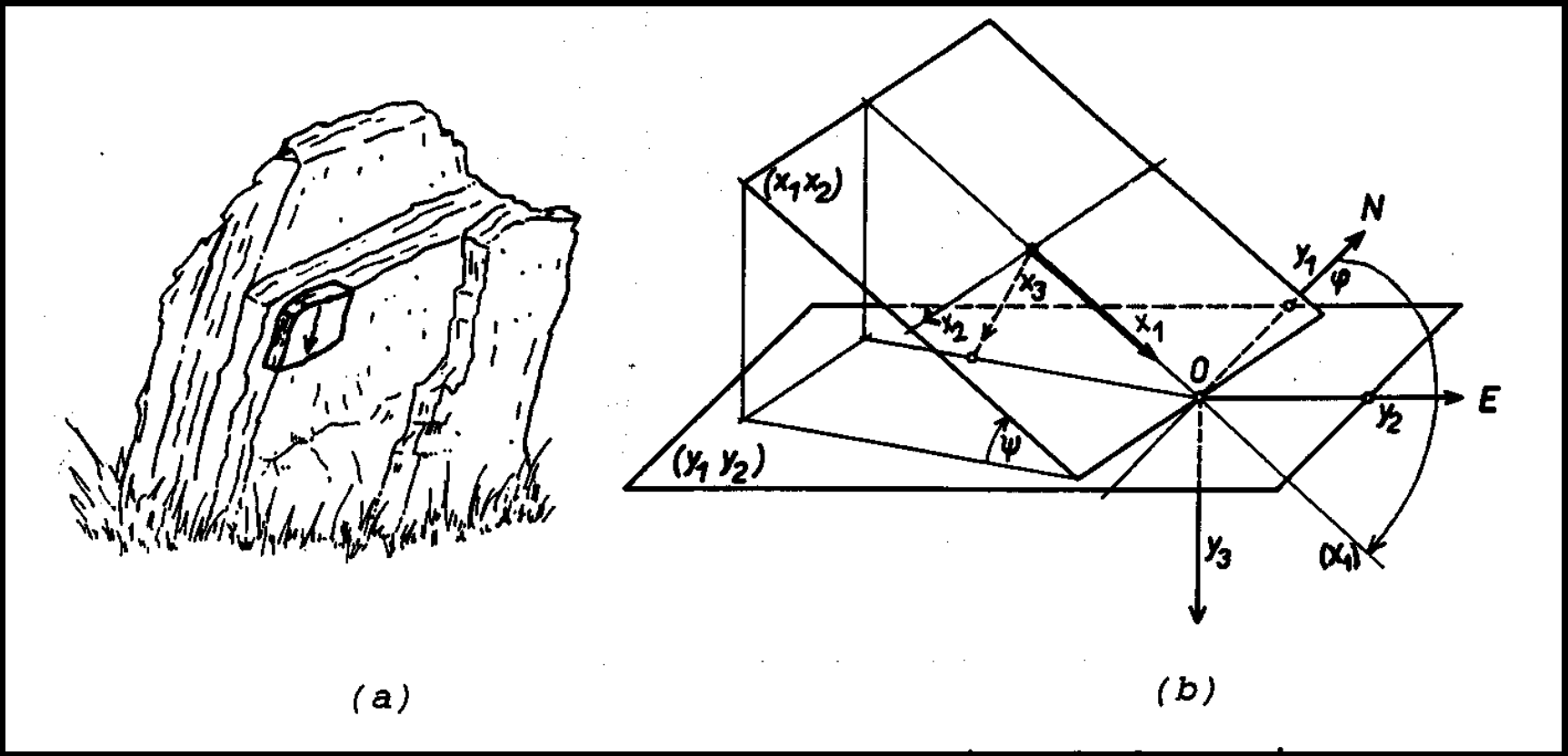
BLOCK SPECIMENS 1

strike and dip of the fiducial mark



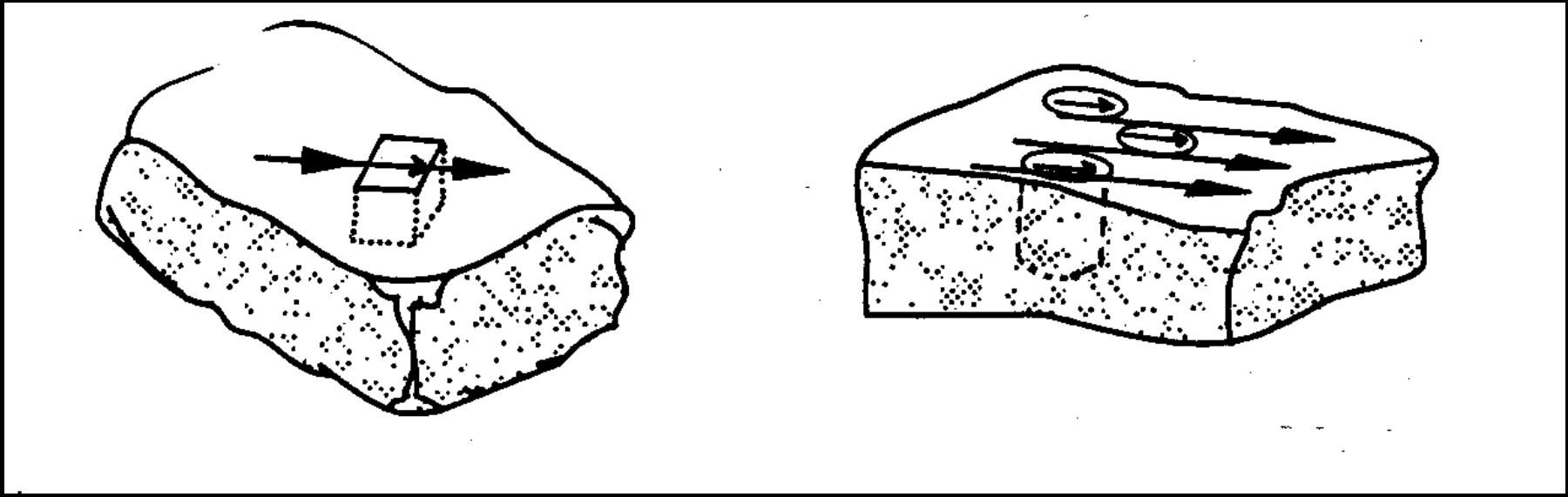
BLOCK SPECIMENS 2

azimuth of dip and dip of fiducial mark



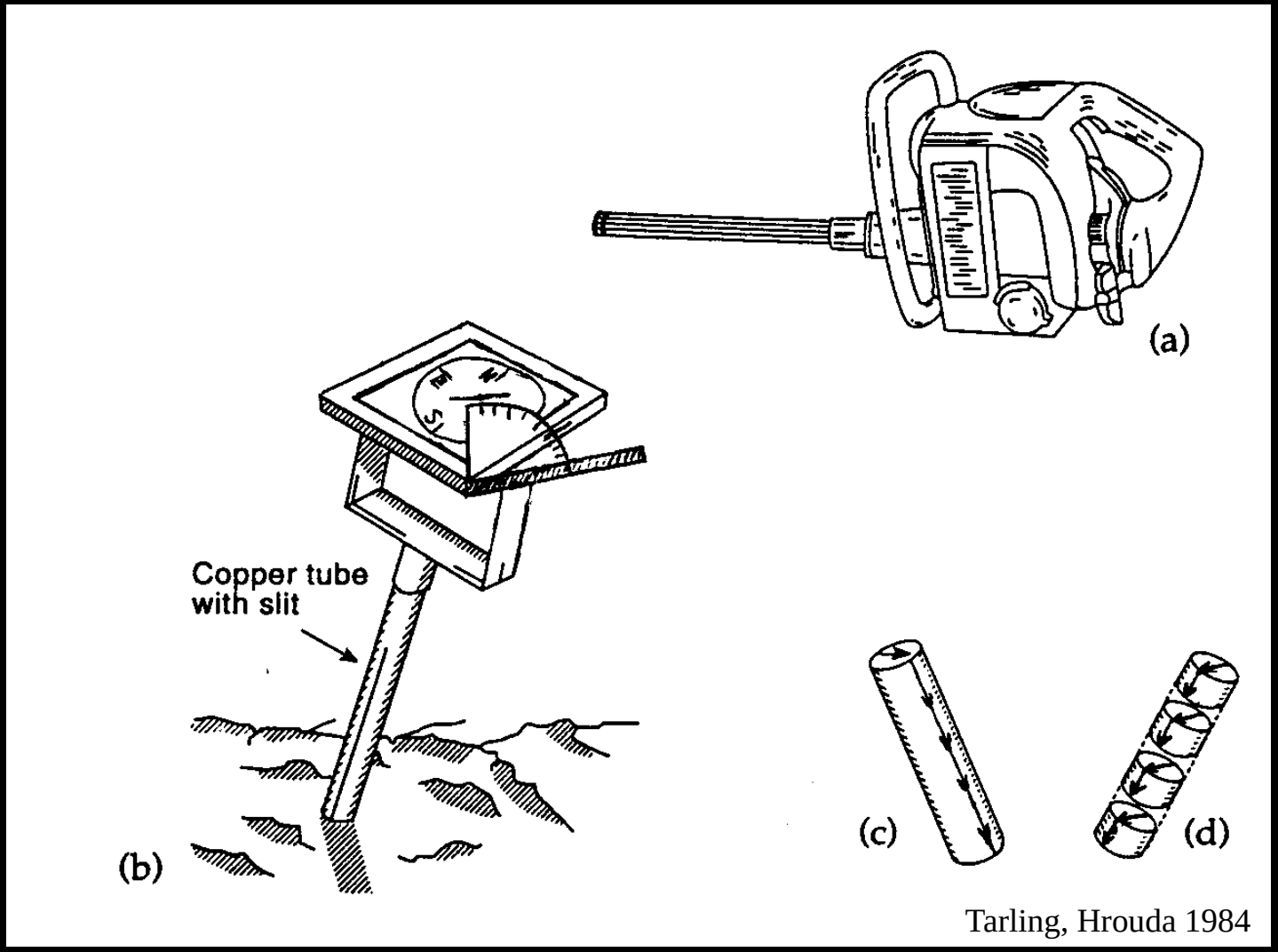
PREPARATION

of measuring cube or cylinder specimen from block specimen



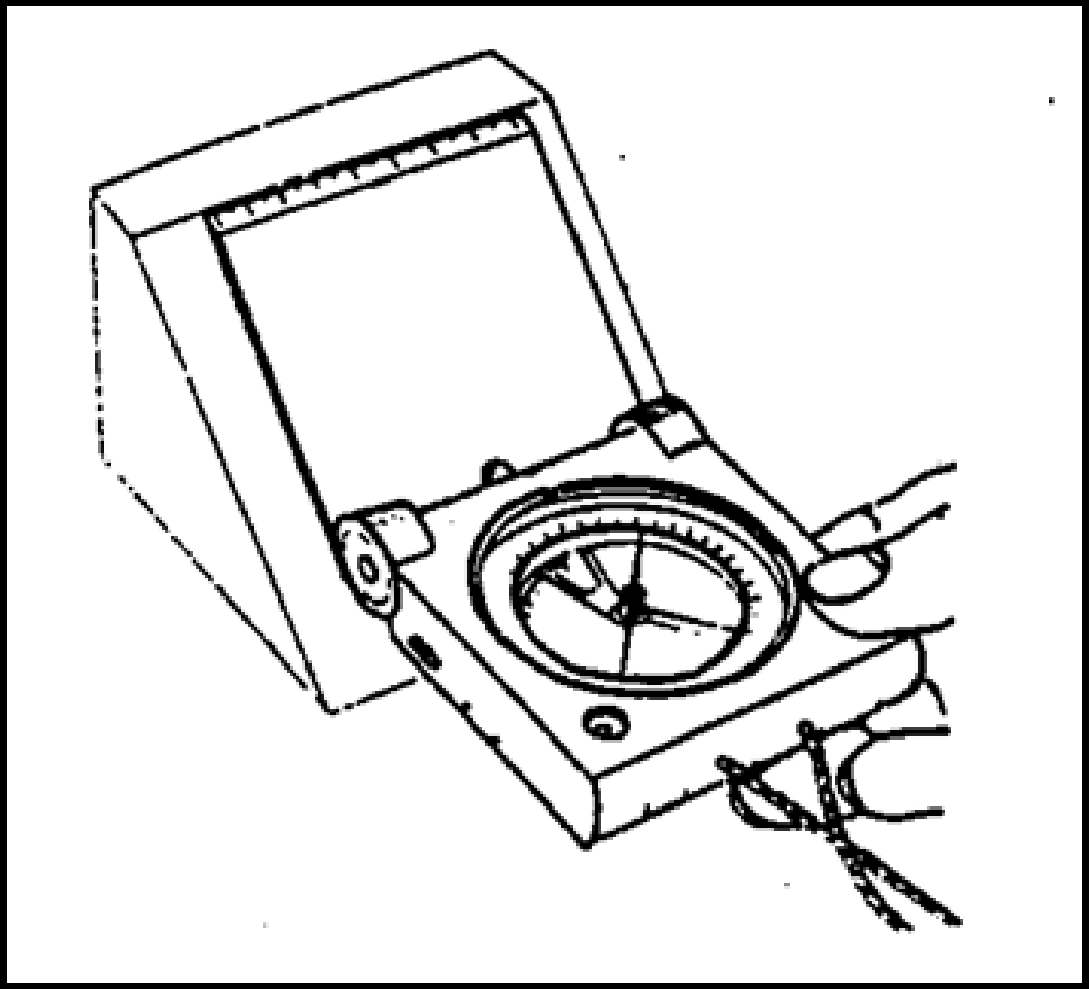
FIELD DRILLING ORIENTED CORES

gasoline powered portable drilling machine

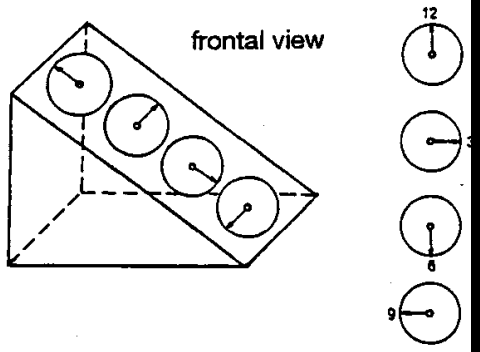


Tarling, Hrouda 1984

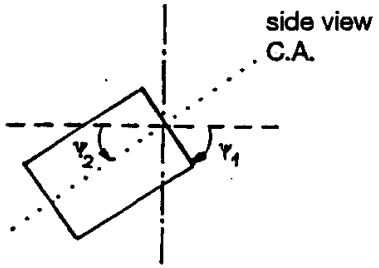
MEASURING
of the orientations of foliation



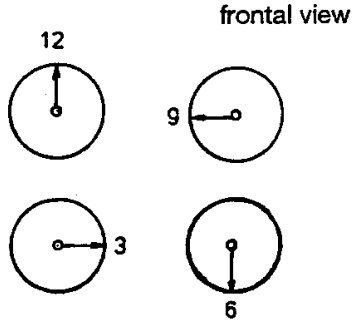
Parameter P1



Parameter P2



Parameter P3



From Manual to Agico MFK1

ORIENTATION PARAMETERS

is clock value of orientation of the fiducial mark drawn on the frontal side of cylinder. This arrow is X1 axis of the specimen coordinate system.

value is 0 or 90.
P2=0 of dip of frontal side (ψ1) is measured.
P2=90 if plunge of cylinder axis (ψ2) is measured.

is clock value of the direction (visualized by arrow which need not necessarily be drawn) which is measured in the field.