Quantifying knapping actions: a method for measuring the angle of blow on flakes

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Supplementary Information 5

A description of the data files and each of the variables in them

ESM_2.csv

This is the drop tower dataset.

[AOB] The is the angle of blow. It is measured using a digital angle gauge.

[BULB_ANGLE_1] This is the first bulb angle measurement. It is measured using a manual goniometer with a 1-degree precision.

[BULB_ANGLE_2] This is the first bulb angle measurement. It is measured using a manual goniometer with a 1-degree precision.

[BULB_ANGLE_3] This is the first bulb angle measurement. It is measured using a manual goniometer with a 1-degree precision.

[BULB_ANGLE] This is the average bulb angle for each flake.

[PD_MM] This is the platform depth. It is measured using a digital caliper with a 0.01 mm precision.

ESM_3.csv

This is the Dibble dataset.

[AOB] The is the angle of blow. It is measured using a digital angle gauge.

[BULB_ANGLE_VC] This is the bulb angle measured using the vector calculation method.

[BULB_ANGLE_VG] This is the bulb angle measured using the Virtual Goniometer plugin.

[EPA] This is the exterior platform angle. It is measured with a manual goniometer with a 1-degree precision.

[PLATTHICK] This is the platform depth. It is measured using a digital caliper with a 0.01 mm precision.

[FWEIGHT] This is the flake mass. It is measured using a digital scale with a 0.1 g precision.

[CORETYPE] This is the core surface morphology. Valid entries are SEMISPHERICAL and SPHERICAL.

[BEVEL] This is to record whether the flake has mass removed behind the platform (beveling). Valid entries are NONE, SANDER, and GRINDER. NONE refers to flakes with no beveling, SANDER refers to flakes with mass removed by a sander, and GRINDER refers to flakes with mass removed by a grinder.

ESM_4.csv

This is the MPI dataset.

[BULB_ANGLE_1] This is the first bulb angle measurement. It is measured using a manual goniometer with a 1-degree precision.

[BULB_ANGLE_2] This is the second bulb angle measurement. It is measured using a manual goniometer with a 1-degree precision.

[BULB_ANGLE_3] This is the third bulb angle measurement. It is measured using a manual goniometer with a 1-degree precision.

[BULB_ANGLE_4] This is the fourth bulb angle measurement. It is measured using a manual goniometer with a 1-degree precision.

[BULB_ANGLE] This is the average bulb angle for each flake.

[AOB_ASSIGNED] This is the intended angle of blow carried out by the knappers.