FUBINI'S THEOREM AND THE VALUE OF $\infty - \infty$ (EXTENDED REAL ARITHMETIC)

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Abstract. The classical Fubini's theorem for Lebesgue integrals and product measures seems to depend on forbidden arithmetics (e.g. $\infty - \infty$) on infinities as extended real numbers.

There's no way to prevent their uses such that whenever they were used, the proof cannot proceed. And sometimes they were subtlely without being noticed by the proof writer.

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