READING GROUP ON FOLIATIONS

1. INTRODUCTION & MOTNATIONS

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REMARKS . To get the lace integrals. if f. we need to work in the analytic cat. & so the leaves of a foliotion will be sualytic (rust of the time they'll be transcendentel, i.e., for from bring alp,) JE Tx a smooth pliation $F \subseteq X$ a leaf of f $Q = \frac{1}{7}$ tor 7 (Examples A abelien surface, Je lineer foliation $\begin{cases} J \leq T_A = O^{\oplus 2} \qquad \qquad I_Q \longrightarrow O^{\oplus 2} \qquad \qquad J \leq T_A = I_A =$ 1 duil and is alg. integrable and elgebraic

FSTX 15 olg. int. ALGEBRAICALLY if the leavers of I are alpetanic INTEGRABLE {alig. int { F} } flations { Ren. (a de already for smoth pliations