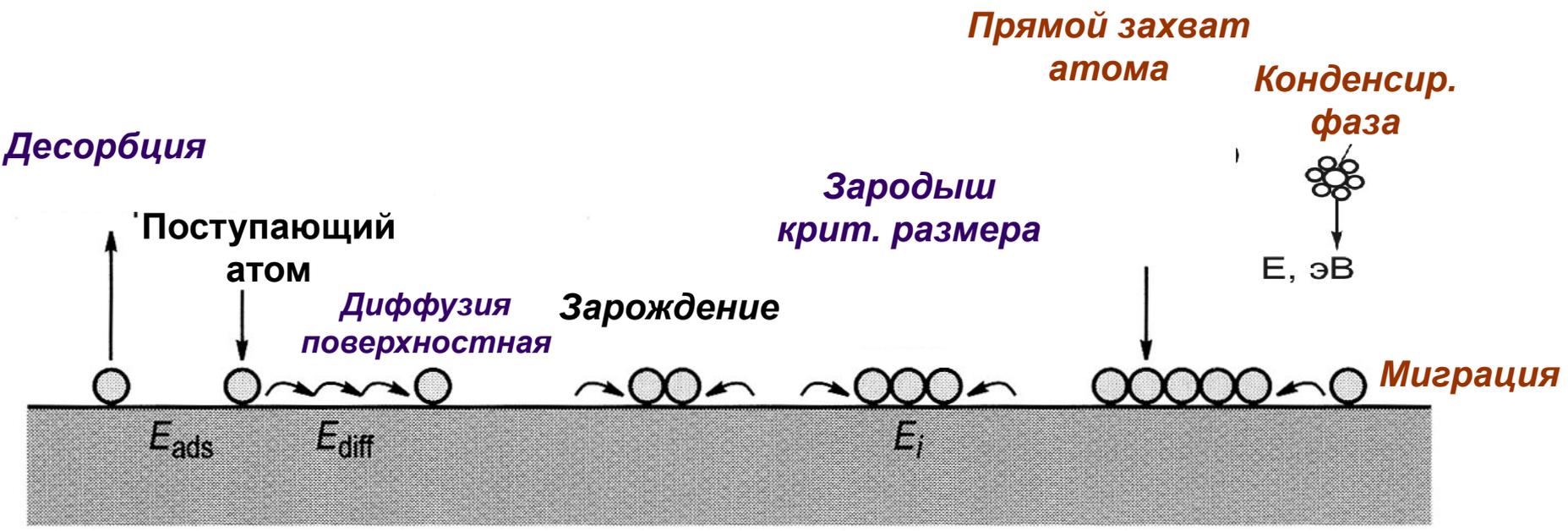




Формирование PVD покрытий: Механизмы зарождения



Схематичная диаграмма, изображающая процессы зарождения покрытий на поверхности напыления



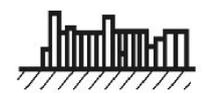
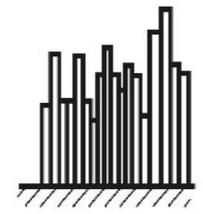
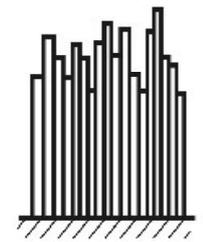
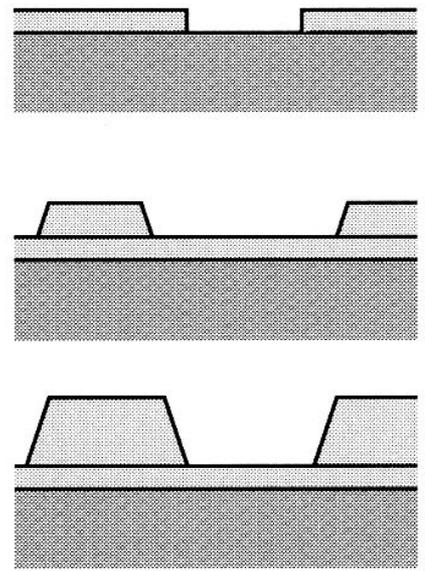
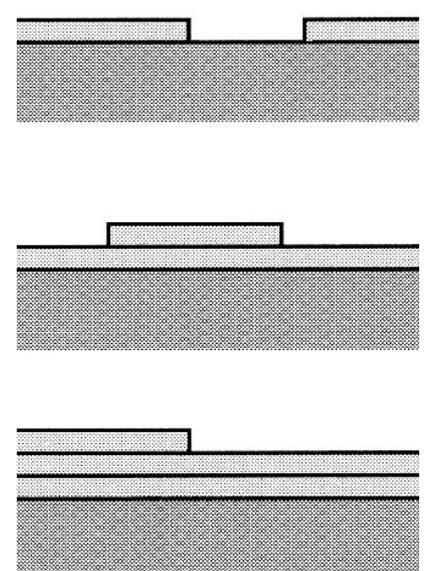
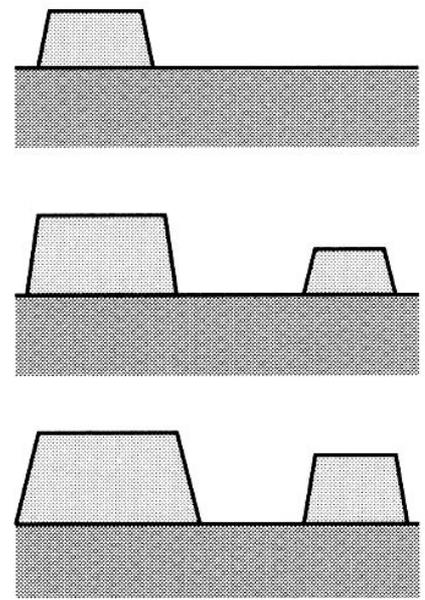
Формирование PVD покрытий: Механизмы роста зародышей

А

Б

В

Г



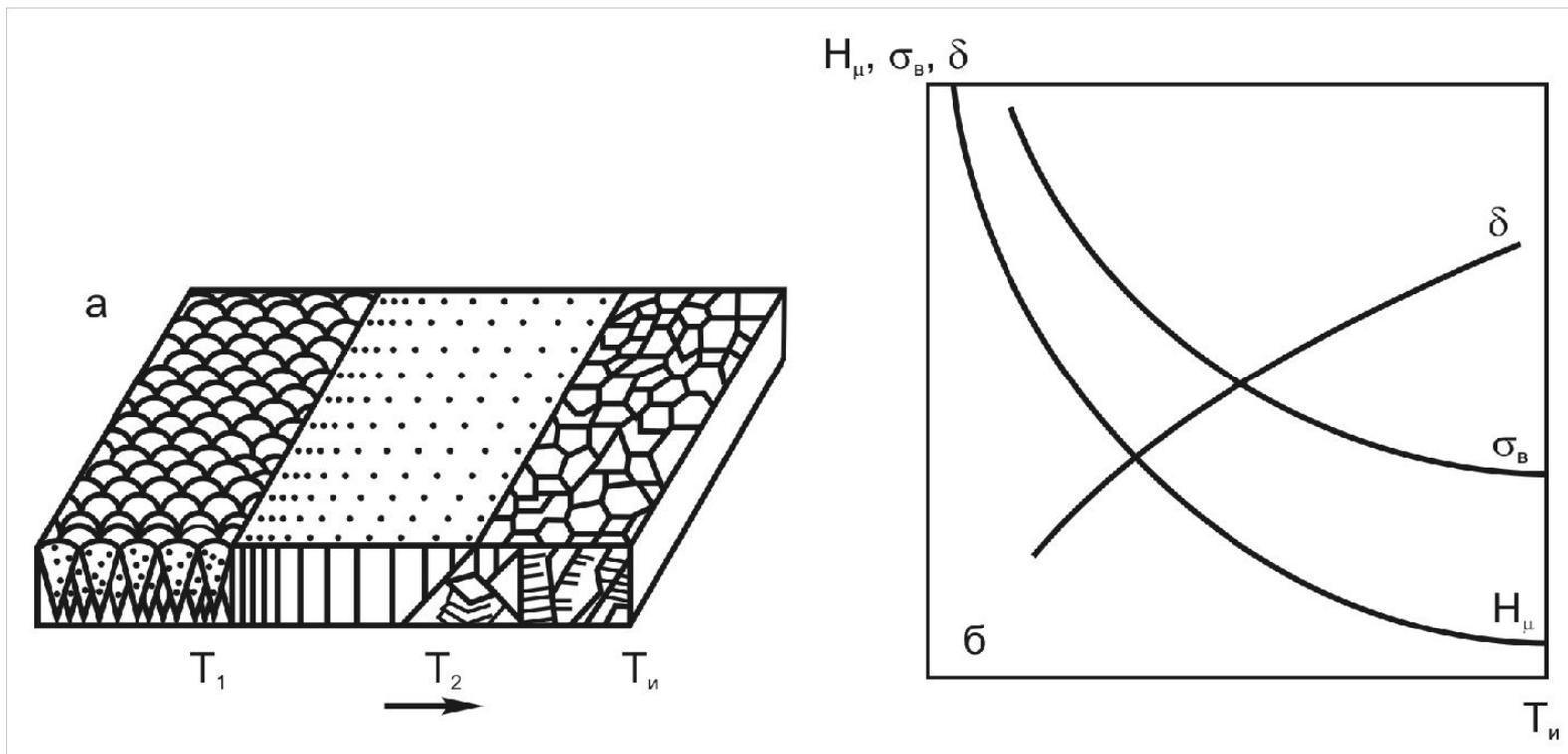
**Островковый механизм
(Vollmer-Weber)**

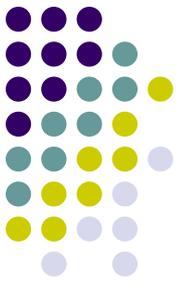
**Слоистый рост
(Frank-van der Merve)**

**Слоисто-
островковый
(Strasnski-Krastanov)**

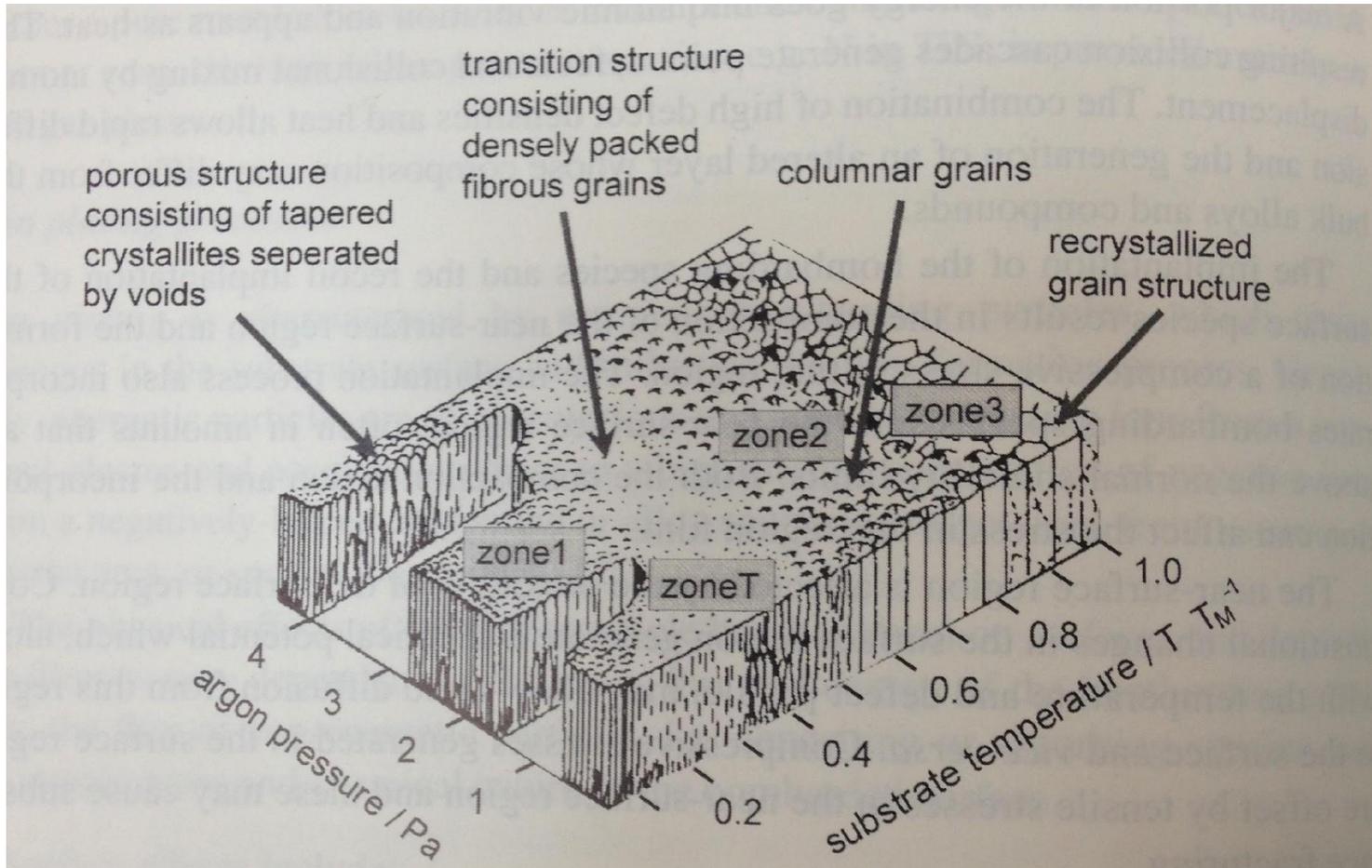
Вертикальный рост

Формирование PVD покрытий: Механизмы роста покрытия

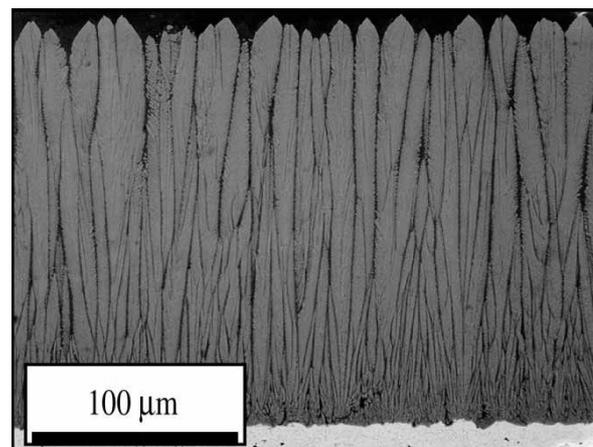
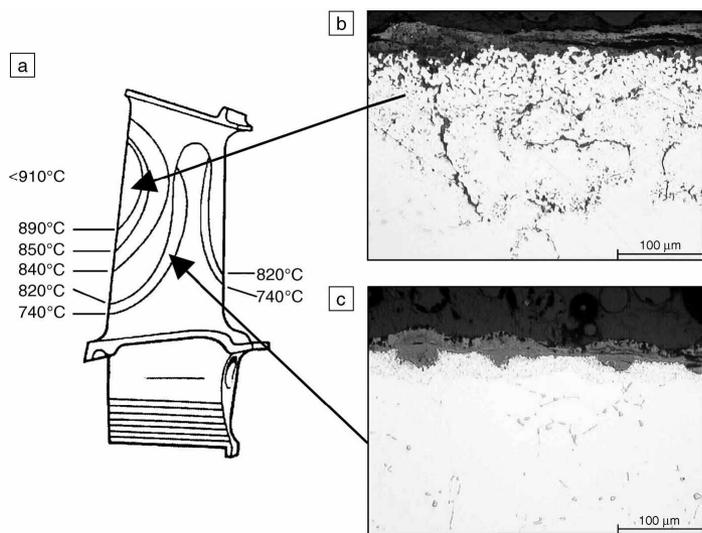




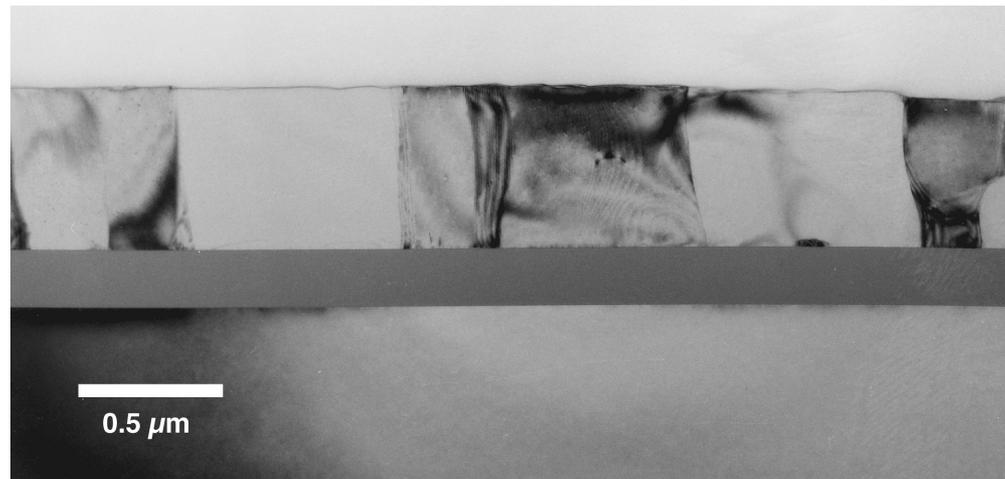
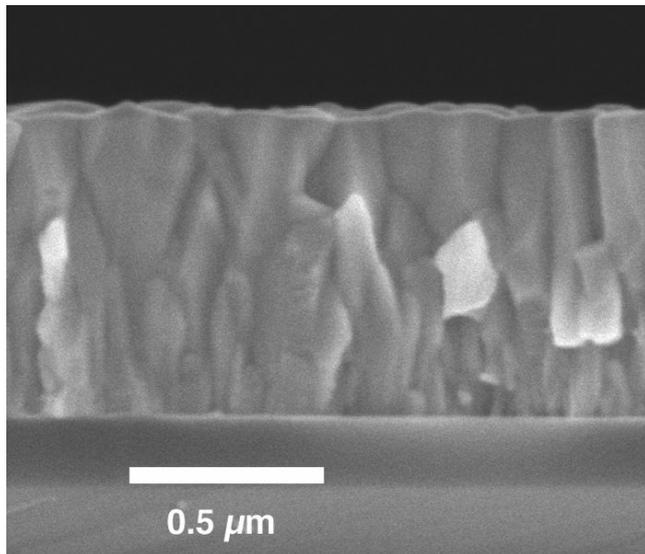
Формирование PVD покрытий



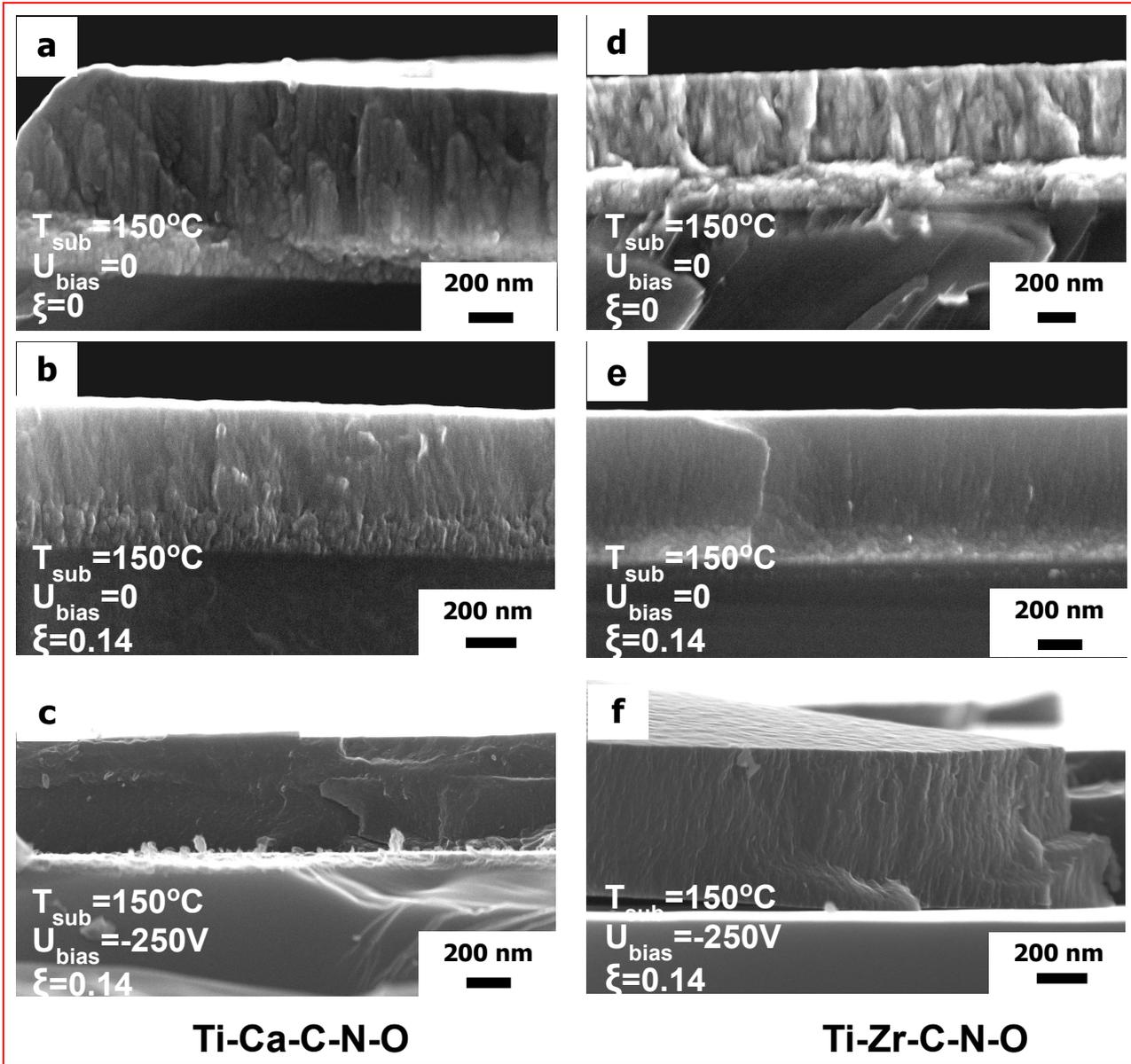
Зона 1



CrN на SiO_2 , зона Т

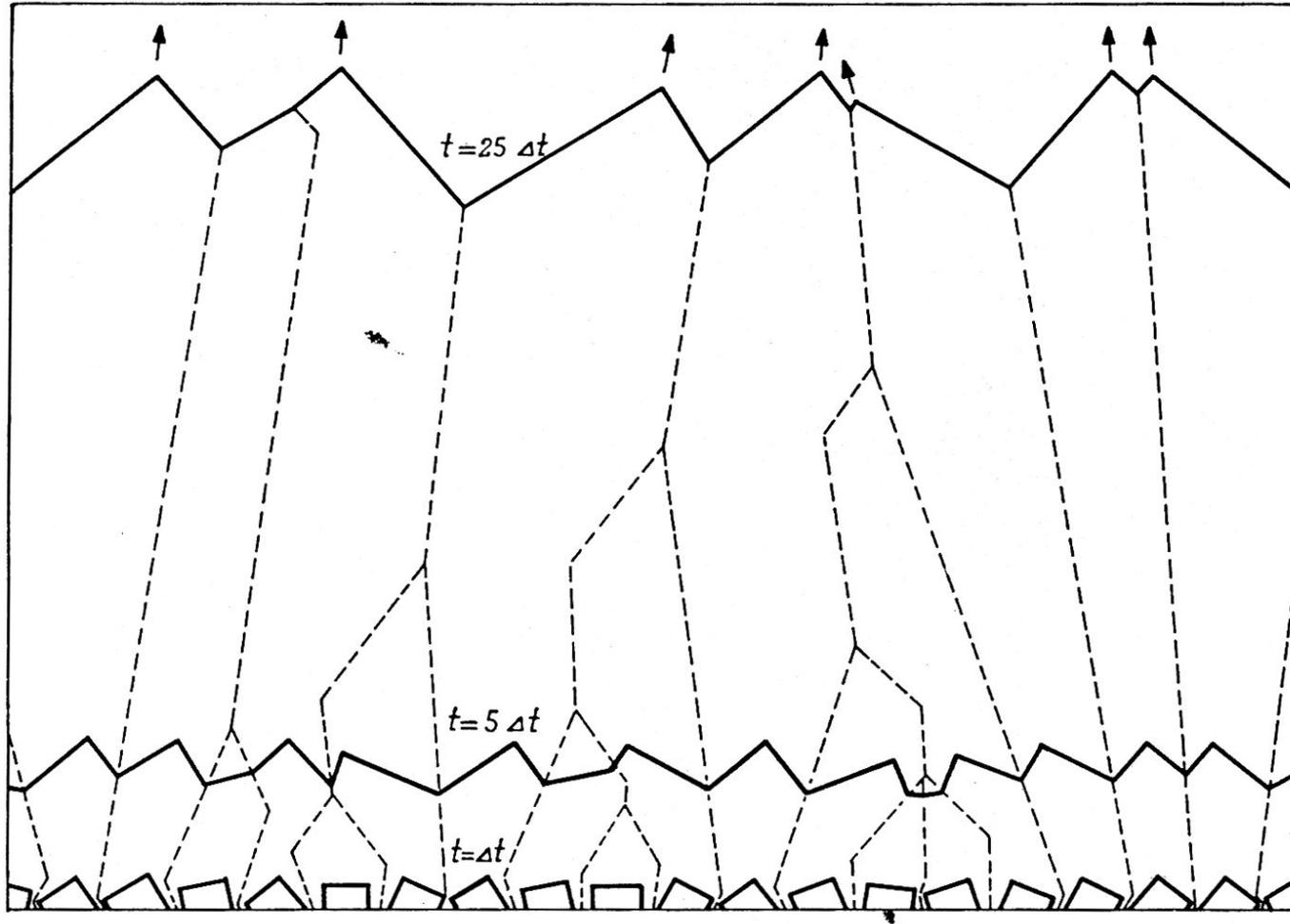


Al на SiO_2 , зона III

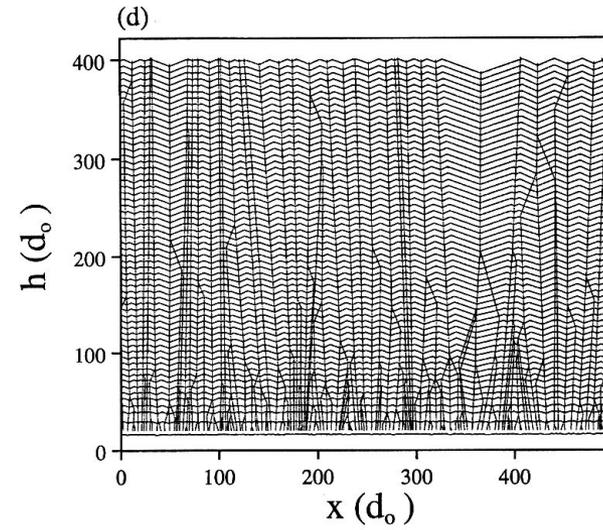
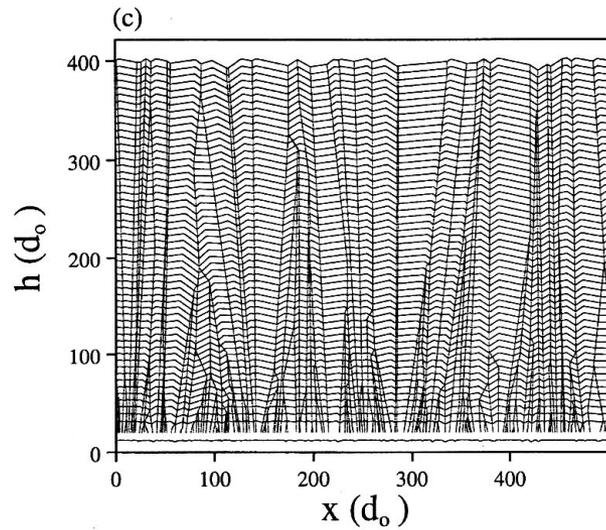
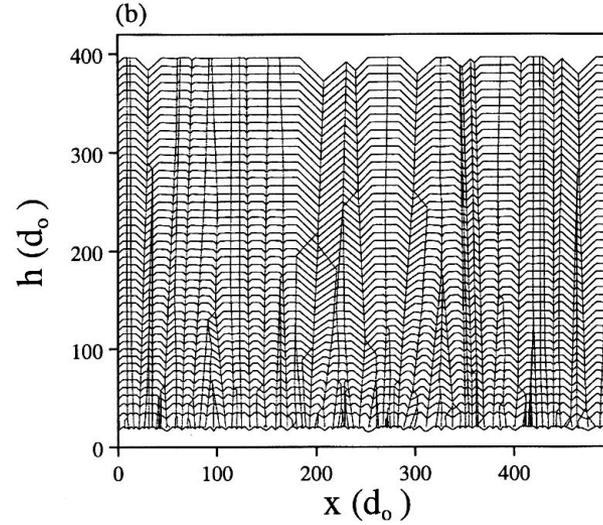
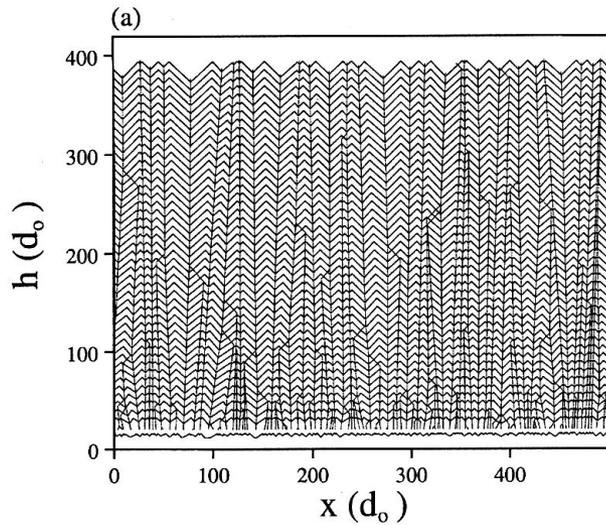


Зона II

Моделирование роста покрытий



Моделирование роста покрытий



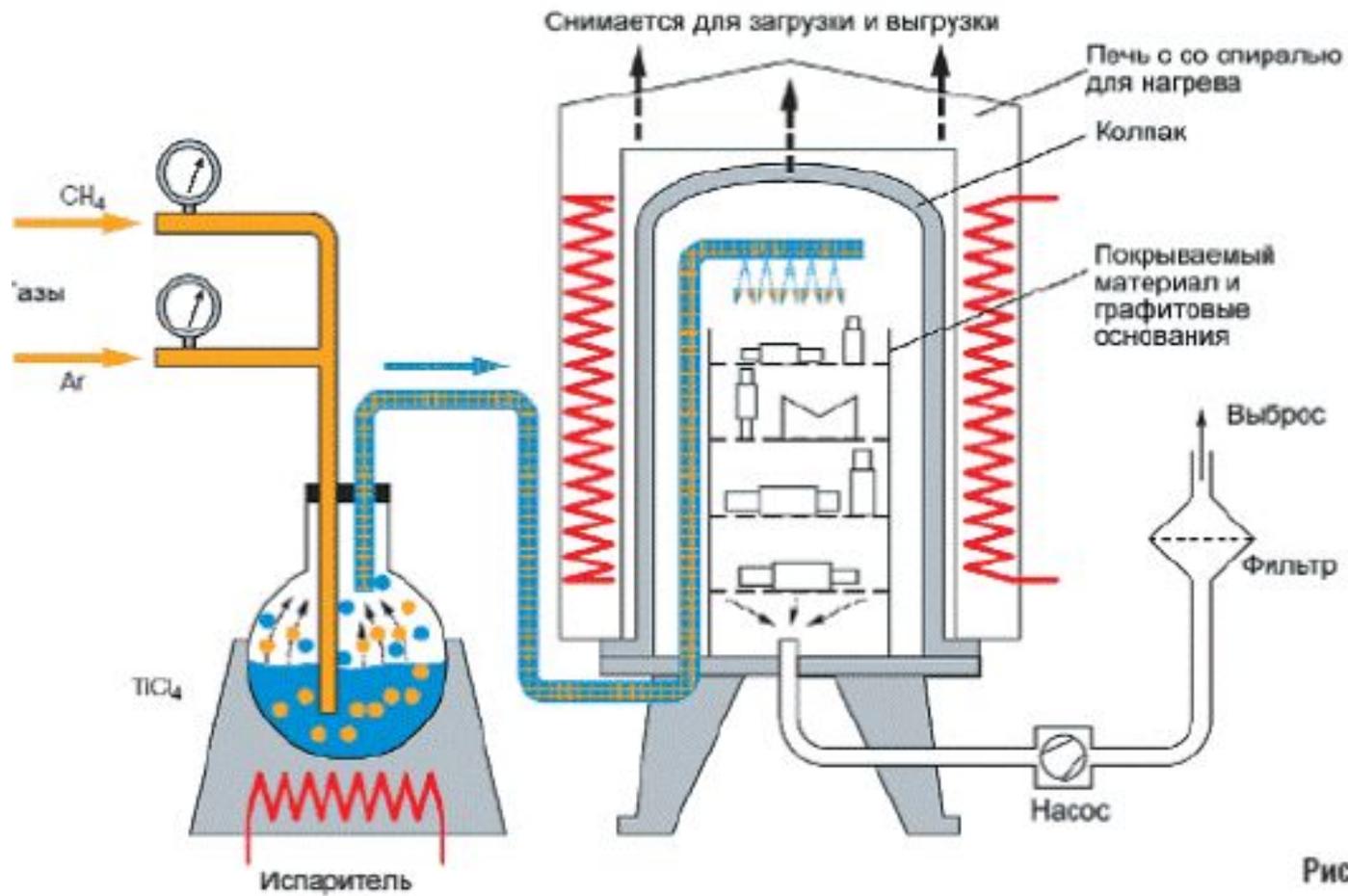
Установка PVD



Установка PVD



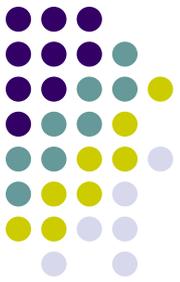
Установка CVD



Установка CVD









TiN



μ AlTiN[®]



AlTiN



CrN



TiCN

