

## عنوان مقاله:

Offering Cracking model of Olfen Furnaces and finding optimized temperature of Process

## محل انتشار:

همایش ملی مهندسی شیمی (سال: 1388)

تعداد صفحات اصل مقاله: 10

## نویسندگان:

Erfan Ziarifar - *M.Sc. in Chemical Engineering, Amir Kabir petrochemical*

Maryam Hosseini - *Young Researchers club- Islamic azad university of north Tehran branch*

Amir Hossein Tarighaleslami - *Scientific Board Member of Islamic Azad University, Mahshahr Branch*

Alireza Bozorgian - *Scientific Board Member of Islamic Azad University, Mahshahr Branch*

## خلاصه مقاله:

In this article best required temperature for cracking (heat breaking) operation by observing effective variables on this process for a real industrial unit was gained and finally a related model was offered. This article deals with Amir Kabir Petrochemical Olfen Furnaces that are located in economic special region of Bandar Imam in Iran, as a case study and all required information and data for modeling are offered in this article. Cracking of hydrocarbons is one of the main operations for producing raw material in downstream industries that has got its special characteristics based on conditions of environment, producer company of plan and kind of food for each unit and according to the high rate of producing products, gaining optimized parameters that are effective on production of Olfins are very important. In this article a model will be offered that shows relation between exit temperature of coils (cracking tube) and percentage of Olfins production (ethylene and propylene) separately that are gained from real experiments and for each of products (ethylene and propylene) a model is offered.

## کلمات کلیدی:

Cracking- Ethylene- propylene- Coil

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/80061>

